

INDUSTRIAL . AUTOMOTIVE . AUTOMATION . ENERGY

# INDIVIDUAL INDUSTRIAL SOLUTIONS



# INTELLIGENT SOLUTIONS

FOR MORE EFFICIENCY AND SAFETY

# INTELLIGENTE LÖSUNGEN

FÜR MEHR EFFIZIENZ UND SICHERHEIT

ANZEIGE 180° PROGRAMMIERBAR

DISPLAY 180° PROGRAMMABLE

2/3 AUSGÄNGE HYSTERESE FREI PROGRAMMIERBAR/4-20MA

2/3 OUTPUTS HYSTERESIS FREE PROGRAMMABLE/4-20MA



LED ANZEIGE

LED DISPLAY

KERAMIKMESSZELLE

CERAMIC SENSING ELEMENT

SCHUTZKLASSE IP67

PROTECTION CLASS IP 67

# QUALITY AND INNOVATIONS FROM GERMANY

## QUALITÄT UND INNOVATIONEN AUS DEUTSCHLAND

FOUNDED IN 1974, PETERS INDU-PRODUKT HAS DEVELOPED INTO A COMPANY THAT OPERATES ON AN INTERNATIONAL BASE. PERFECTION IS OUR CONSTANT AIM AND TECHNICAL KNOWLEDGE IS THE TOOL WE USE TO ACHIEVE IT. WITH THIS STRATEGY, WE HAVE DEVELOPED A STANDARD OF QUALITY THAT HAS CONTINUALLY CONVINCED CUSTOMERS WORLDWIDE. WE ARE CONSTANTLY EXPANDING OUR PRODUCT PORTFOLIOS IN THE INDUSTRIAL, AUTOMOTIVE, AUTOMATION AND ENERGY FIELDS. MOREOVER, WE DEVELOP TAILOR-MADE SOLUTIONS THAT SUIT THE NEEDS OF OUR CUSTOMERS – RIGHT FROM THE INITIAL IDEA TO THE FINISHED PRODUCT.

SEIT DEM GRÜNDUNGSJAHR 1974 HAT SICH PETERS INDU-PRODUKT ZU EINEM UNTERNEHMEN MIT INTERNATIONALEM WIRKUNGSKREIS ENTWICKELT. PERFEKTION IST UNSER ANSPRUCH UND TECHNISCHES KNOW-HOW IST UNSER WERKZEUG. AUF DIESE WEISE HABEN WIR EIN QUALITÄTSNIVEAU ENTWICKELT, DAS KUNDEN WELTWEIT ÜBERZEUGT. UNSERE PRODUKTPORTFOLIOS IN DEN BEREICHEN INDUSTRIAL, AUTOMOTIVE, AUTOMATION UND ENERGY ERWEITERN WIR LAUFEND. DARÜBER HINAUS ENTWICKELN WIR VON DER ERSTEN IDEE BIS ZUM FERTIGEN PRODUKT INDIVIDUELLE LÖSUNGEN IM KUNDENAUFTRAG.



Our “Industrial” business unit offers not only valve connectors that meet DIN 43 650 and EN 175301-803 standards, but also an entire range that includes pressure switches, pressure transmitters, cylinders, proximity switches, relays and opto-coupler modules. Our connectors and electronic components are widely used in the fields of automation technology, mechanical engineering and plant engineering. In addition to standard connectors, our customers can also choose from a wide customised selection that features varying numbers of contacts as well as various types and lengths of cable. Integrated LED displays and moulded connectors are also available as options. Our range of connectors and built-in plugs can be individually customised to guarantee that our products suit your application.

**Please feel free to contact us if you have any questions.**

Unser Geschäftsbereich „Industrial“ umfasst neben Ventilsteckverbindern nach DIN 43 650 und EN 175301-803 unter anderem Druckschalter, Drucktransmitter, Zylinder Näherungsschalter sowie Relais und Optokoppler. Verwendung finden unsere Steckverbindungen und elektronischen Bauteile in der Automatisierungstechnik sowie im Maschinen- und Anlagenbau. Neben den Standard-Steckverbindern bieten wir unseren Kunden eine große Auswahl an verschiedenen Polzahlen, Kabeltypen und Kabellängen. Auch die Integration von LED-Anzeigen und die Umspritzung der Steckverbindungen ist optional verfügbar. Mit unserem Angebot an konfektionierbaren Steckverbindern und Einbausteckern gewährleisten wir einen individuellen Einsatz unserer Produkte passend zu Ihrer Applikation.

**Sprechen Sie uns an, wenn Sie Fragen haben. Wir stehen Ihnen gerne als Ansprechpartner zur Verfügung.**



# ORDER CODE/TYPENSCHLÜSSEL

## EN 175301-803

|                                                       |                      |
|-------------------------------------------------------|----------------------|
| G – Connector/Gerätesteckdose                         | <input type="text"/> |
| D – DIN                                               | <input type="text"/> |
| I – Industrial/Industrienorm                          | <input type="text"/> |
| A – Form A/Bauform A                                  | <input type="text"/> |
| B – Form B/Bauform B                                  | <input type="text"/> |
| C – Form C/Bauform C                                  | <input type="text"/> |
| 3 – 3-poles/3-polig                                   | <input type="text"/> |
| 4 – 4-poles/4-polig                                   | <input type="text"/> |
| 0 – Without circuit/ohne Beschaltung                  |                      |
| Y – LED yellow/LED gelb                               |                      |
| G – LED green/LED grün                                |                      |
| R – LED red/LED rot                                   |                      |
| D – Diode                                             |                      |
| T – Z-Diode (Transil)                                 |                      |
| L – Rectifier/Gleichrichter                           |                      |
| V – Varistor                                          |                      |
| E – Amplifier/Verstärker                              |                      |
| H1 (...9) – Pressure switch/Druckschalter             |                      |
| C – Capacitor/Kondensator                             | <input type="text"/> |
| S – Special circuit/Sonderbeschaltung                 | <input type="text"/> |
| 1 – PG 11                                             |                      |
| 9 – PG 9                                              |                      |
| 7 – PG 7                                              | <input type="text"/> |
| M – M16x1.5                                           | <input type="text"/> |
| Position protective earth contact/Position PE-Kontakt |                      |
| 0 – PE 12h                                            |                      |
| 6 – PE 6h                                             |                      |
| 3 – PE 3h                                             | <input type="text"/> |
| 9 – PE 9h                                             |                      |

|                                                     |                      |
|-----------------------------------------------------|----------------------|
| S – Black/schwarz                                   |                      |
| G – Grey/grau                                       | <input type="text"/> |
| T – Transparent                                     |                      |
| 1 – 12 Volt                                         |                      |
| 2 – 24 Volt                                         |                      |
| 4 – 48 Volt                                         |                      |
| 5 – 115 Volt                                        | <input type="text"/> |
| 6 – 230 Volt                                        |                      |
| 1 – Profile gasket/Profildichtung                   | <input type="text"/> |
| 2 – Flat gasket/Flachdichtung                       |                      |
| 1 – PVC cable/PVC Leitung                           | <input type="text"/> |
| 2 – PUR cable/PUR Leitung                           | <input type="text"/> |
| 1 – 1 m                                             |                      |
| 3 – 3 m                                             |                      |
| 5 – 5 m                                             | <input type="text"/> |
| 0 – 10 m                                            |                      |
| H – High version/hohe Bauform                       | <input type="text"/> |
| R – Knurled screw/Rändelschraube                    | <input type="text"/> |
| S – Special gland black/Sonderverschraubung schwarz |                      |
| G – Special gland grey/Sonderverschraubung grau     | <input type="text"/> |
| M – M12-connection/M12-Anschluß                     | <input type="text"/> |

EXAMPLE/BEISPIEL

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G | D | A | 3 | Y | V | 9 | 0 | T | 2 | 1 | 1 | 5 | R | S |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

# CONNECTOR/STECKVERBINDER A

## 3- OR 4-POLE/3- ODER 4-POLIG



### DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>_ DIN 43650/EN 175301-803</div> <div>_ Contact spacing 18 mm</div> <div>_ Rated voltage 250 VAC/300 VDC</div> <div>_ Operating current 10 A</div> <div>_ Max. current 16 A</div> <div>_ Max. wire gauge 1,5 mm²</div> <div>_ Cable gland PG9/PG11/M16 optional</div> <div>_ Cable diameter 6–8 mm/ 8–10 mm</div> <div>_ Protection class IP65 (EN 60529)</div> <div>_ Housingmaterial PA+30%GF</div> <div>_ Contactmaterial CuZn (Ag)</div> <div>_ Gasket (profil=1 / flat=2)* thermoplastic rubber</div> <div>_ Screw M3</div> <div>_ Temperature range –40 °C to +125 °C</div> | <div>_ DIN 43650/EN 175301-803</div> <div>_ Kontaktabstand 18 mm</div> <div>_ Nennspannung 250 VAC/300 VDC</div> <div>_ Dauerstrom 10 A</div> <div>_ Max. Strom 16 A</div> <div>_ Max. Leiterquerschnitt 1,5 mm²</div> <div>_ Kabelverschraubung PG9/PG11/M16 optional</div> <div>_ Leitungsdurchmesser 6–8 mm/ 8–10 mm</div> <div>_ Schutzart IP65 (EN 60529)</div> <div>_ Gehäusematerial PA+30%GF</div> <div>_ Kontaktmaterial CuZn (Ag)</div> <div>_ Dichtung (Profil=1 / Flach=2)* thermoplastisches Gummi</div> <div>_ Befestigungsschraube M3</div> <div>_ Temperaturbereich –40 °C bis +125 °C</div> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# CONNECTOR/STECKVERBINDER A

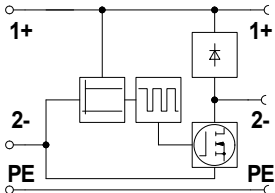
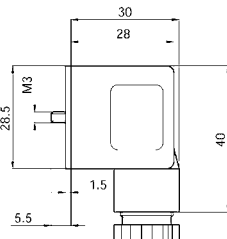
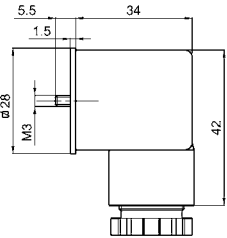
## WITH CIRCUIT/MIT BESCHALTUNG



### DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>_ DIN 43650/EN 175301-803</div> <div>_ Contact spacing 18 mm</div> <div>_ Rated voltage 250 VAC/300 VDC</div> <div>_ Operating current 10 A</div> <div>_ Max. current 16 A</div> <div>_ Max. wire gauge 1,5 mm²</div> <div>_ Cable gland PG9/PG11/M16 optional</div> <div>_ Cable diameter 6–8 mm</div> <div>_ Protection class IP65 (EN 60529)</div> <div>_ Housingmaterial PA</div> <div>_ Contactmaterial CuZn (Ag)</div> <div>_ Gasket (profil=1 / flat=2)* thermoplastic rubber</div> <div>_ Screw M3</div> <div>_ Temperature range –30 °C to +90 °C</div> | <div>_ DIN 43650/EN 175301-803</div> <div>_ Kontaktabstand 18 mm</div> <div>_ Nennspannung 250 VAC/300 VDC</div> <div>_ Dauerstrom 10 A</div> <div>_ Max. Strom 16 A</div> <div>_ Max. Leiterquerschnitt 1,5 mm²</div> <div>_ Kabelverschraubung PG9/PG11/M16 optional</div> <div>_ Leitungsdurchmesser 6–8 mm</div> <div>_ Schutzart IP65 (EN 60529)</div> <div>_ Gehäusematerial PA</div> <div>_ Kontaktmaterial CuZn (Ag)</div> <div>_ Dichtung (Profil=1 / Flach=2)* thermoplastisches Gummi</div> <div>_ Befestigungsschraube M3</div> <div>_ Temperaturbereich –30 °C bis +90 °C</div> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

CONNECTOR/STECKVERBINDER A/B  
WITH PWM/MIT PWM WANDLER



Connector/Steckverbinder A/B  
with PWM/mit PWM



DETAILS

\_ DIN 43650/EN 175301-803

\_ Contact spacing 18 mm/11 mm

\_ Rated voltage 24 VDC/24 V

\_ Current 4 A/2 A

\_ On time 100% 1 s upon request

\_ Holding power after 1s 40% upon request

\_ PWM frequency 250 Hz/1000 Hz

\_ Cable diameter 6–8 mm

\_ Protection class IP65 (EN 60529)

\_ Housingmaterial PA

\_ Contactmaterial CuZn (Ag)

\_ Gasket flat thermoplastic rubber

\_ Screw M3

\_ Temperature range –30 °C to +70 °C

\_ DIN 43650/EN 175301-803

\_ Kontaktabstand 18 mm/11 mm

\_ Nennspannung 24 VDC/24 V

\_ Strom 4 A/2 A

\_ Einschaltdauer 100% 1 s auf Anfrage

\_ Halteleistung nach 1s 40% auf Anfrage

\_ PWM Frequenz 250 Hz/1000 Hz

\_ Leitungsdurchmesser 6–8 mm

\_ Schutzart IP65 (EN 60529)

\_ Gehäusematerial PA

\_ Kontaktmaterial CuZn (Ag)

\_ Profildichtung thermoplastisches Gummi

\_ Befestigungsschraube M3

\_ Temperaturbereich –30 °C bis +70 °C

ORDER CODE/BESTELLNUMMERN  
CONNECTOR/STECKVERBINDER A

CONNECTOR/STECKVERBINDER A, 3- OR 4-POLE/3- ODER 4-POLIG



| Type/Ausführung | PG9      | PG11                   |
|-----------------|----------|------------------------|
| Colour          | Contacts | Part No.               |
| Farbe           | Polzahl  | Artikel Nr.            |
| black/schwarz   | 2+PE     | GDA3090S61             |
| black/schwarz   | 3+PE     | GDA4090S61             |
| grey/grau       | 2+PE     | on request/auf Anfrage |
| grey/grau       | 3+PE     | on request/auf Anfrage |

CONNECTOR/STECKVERBINDER A, WITH CIRCUIT/MIT BESCHALTUNG



| Type/Ausführung | PG9      | M16         |
|-----------------|----------|-------------|
| Colour          | Contacts | Part No.    |
| Farbe           | Polzahl  | Artikel Nr. |
| transparent     | 2+PE     | GDA3YD90T21 |
| transparent     | 2+PE     | GDA3YT90T21 |
| transparent     | 2+PE     | GDA3YV90T21 |

CONNECTOR/STECKVERBINDER A, WITH PWM/MIT PWM WANDLER



| Type   | Part No.    | Special Feature                         |
|--------|-------------|-----------------------------------------|
| Typ    | Artikel Nr. | Besonderheit                            |
| 100 VA | 709153      | processor controlled/prozessorgesteuert |
| B      | 719076      | processor controlled/prozessorgesteuert |

# CONNECTOR/STECKVERBINDER B

## STYLE B IND./STYLE B DIN/EN



Connector/Steckverbinder B  
B-Ind. or/oder B-DIN/EN

### DETAILS

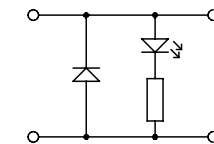
|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| <b>_ Industrial/DIN 43650/EN 175301-803</b>                 | <b>_ Industrial/DIN 43650/EN 175301-803</b>                     |
| <b>_ Contact spacing 10 mm (DIN/EN), 11 mm (Industrial)</b> | <b>_ Kontaktabstand 10 mm (DIN/EN), 11 mm (Industrial)</b>      |
| <b>_ Rated voltage 250 VAC/300 VDC</b>                      | <b>_ Nennspannung 250 VAC/300 VDC</b>                           |
| <b>_ Operating current 6 A</b>                              | <b>_ Dauerstrom 6 A</b>                                         |
| <b>_ Max. current 10 A</b>                                  | <b>_ Max. Strom 10 A</b>                                        |
| <b>_ Max. wire gauge 1,5 mm²</b>                            | <b>_ Max. Leiterquerschnitt 1,5 mm²</b>                         |
| <b>_ Cable gland PG9/M16 optional</b>                       | <b>_ Kabelverschraubung PG9/M16 optional</b>                    |
| <b>_ Cable diameter 6–8 mm</b>                              | <b>_ Leitungsdurchmesser 6–8 mm</b>                             |
| <b>_ Protection class IP65 (EN 60529)</b>                   | <b>_ Schutzart IP65 (EN 60529)</b>                              |
| <b>_ Housingmaterial PA+30%GF</b>                           | <b>_ Gehäusematerial PA+30%GF</b>                               |
| <b>_ Contactmaterial CuZn (Ag)</b>                          | <b>_ Kontaktmaterial CuZn (Ag)</b>                              |
| <b>_ Gasket (profil=1 / flat=2)* thermoplastic rubber</b>   | <b>_ Dichtung (Profil=1 / Flach=2)* thermoplastisches Gummi</b> |
| <b>_ Screw M3</b>                                           | <b>_ Befestigungsschraube M3</b>                                |
| <b>_ Temperature range –40 °C to +125 °C</b>                | <b>_ Temperaturbereich –40 °C bis +125 °C</b>                   |

# CONNECTOR/STECKVERBINDER B

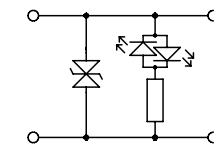
## WITH CIRCUIT/MIT BESCHALTUNG



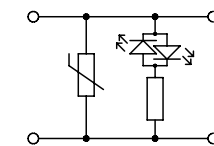
Connector/Steckverbinder B  
with circuit/mit Beschaltung



YD: LED+Diode 24 VDC



YT: LED+Z-Diode 24 VAC/DC



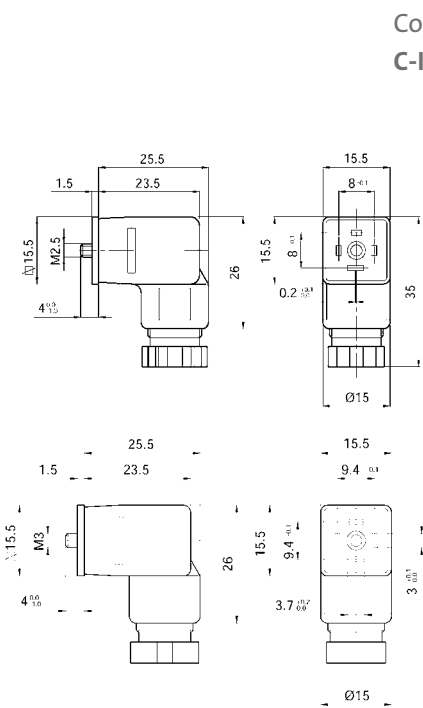
YV: LED+Varistor 24 VAC/DC

### DETAILS

|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| <b>_ Industrial/DIN 43650/EN 175301-803</b>                 | <b>_ Industrial/DIN 43650/EN 175301-803</b>                     |
| <b>_ Contact spacing 10 mm (DIN/EN), 11 mm (Industrial)</b> | <b>_ Kontaktabstand 10 mm (DIN/EN), 11 mm (Industrial)</b>      |
| <b>_ Rated voltage 24 V</b>                                 | <b>_ Nennspannung 24 V</b>                                      |
| <b>_ Operating current 6 A</b>                              | <b>_ Dauerstrom 6 A</b>                                         |
| <b>_ Max. current 10 A</b>                                  | <b>_ Max. Strom 10 A</b>                                        |
| <b>_ Max. wire gauge 1,5 mm²</b>                            | <b>_ Max. Leiterquerschnitt 1,5 mm²</b>                         |
| <b>_ Cable gland PG9/M16 optional</b>                       | <b>_ Kabelverschraubung PG9/M16 optional</b>                    |
| <b>_ Cable diameter 6–8 mm</b>                              | <b>_ Leitungsdurchmesser 6–8 mm</b>                             |
| <b>_ Protection class IP65 (EN 60529)</b>                   | <b>_ Schutzart IP65 (EN 60529)</b>                              |
| <b>_ Housingmaterial PA</b>                                 | <b>_ Gehäusematerial PA</b>                                     |
| <b>_ Contactmaterial CuZn (Ag)</b>                          | <b>_ Kontaktmaterial CuZn (Ag)</b>                              |
| <b>_ Gasket (profil=1 / flat=2)* thermoplastic rubber</b>   | <b>_ Dichtung (Profil=1 / Flach=2)* thermoplastisches Gummi</b> |
| <b>_ Screw M3</b>                                           | <b>_ Befestigungsschraube M3</b>                                |
| <b>_ Temperature range –30 °C to +90 °C</b>                 | <b>_ Temperaturbereich –30 °C bis +90 °C</b>                    |

# CONNECTOR/STECKVERBINDER C

## STYLE C IND./STYLE C DIN/EN



Connector/Steckverbinder C  
C-Ind. or/oder C-DIN/EN

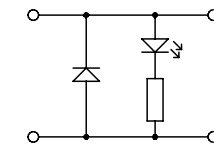


### DETAILS

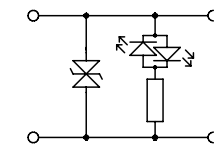
|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| <b>_ Industrial/DIN 43650/EN 175301-803</b>                 | <b>_ Industrial/DIN 43650/EN 175301-803</b>                     |
| <b>_ Contact spacing 8 mm (DIN/EN), 9,4 mm (Industrial)</b> | <b>_ Kontaktabstand 8 mm (DIN/EN), 9,4 mm (Industrial)</b>      |
| <b>_ Rated voltage 250 VAC/300 VDC</b>                      | <b>_ Nennspannung 250 VAC/300 VDC</b>                           |
| <b>_ Operating current 6 A</b>                              | <b>_ Dauerstrom 6 A</b>                                         |
| <b>_ Max. current 10 A</b>                                  | <b>_ Max. Strom 10 A</b>                                        |
| <b>_ Max. wire gauge 0,75 mm²</b>                           | <b>_ Max. Leiterquerschnitt 0,75 mm²</b>                        |
| <b>_ Cable gland PG7/M16 optional</b>                       | <b>_ Kabelverschraubung PG7/M16 optional</b>                    |
| <b>_ Cable diameter 4–6 mm</b>                              | <b>_ Leitungsdurchmesser 4–6 mm</b>                             |
| <b>_ Protection class IP65 (EN 60529)</b>                   | <b>_ Schutzart IP65 (EN 60529)</b>                              |
| <b>_ Housingmaterial PA+30%GF</b>                           | <b>_ Gehäusematerial PA+30%GF</b>                               |
| <b>_ Contactmaterial CuZn (Ag)</b>                          | <b>_ Kontaktmaterial CuZn (Ag)</b>                              |
| <b>_ Gasket (profil=1 / flat=2)* thermoplastic rubber</b>   | <b>_ Dichtung (Profil=1 / Flach=2)* thermoplastisches Gummi</b> |
| <b>_ Screw M2,5 (DIN/EN)/M3 (Industrial)</b>                | <b>_ Befestigungsschraube M2,5 (DIN/EN)/M3 (Industrial)</b>     |
| <b>_ Temperature range –40 °C to +125 °C</b>                | <b>_ Temperaturbereich –40 °C bis +125 °C</b>                   |

# CONNECTOR/STECKVERBINDER C

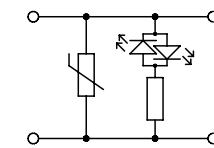
## WITH CIRCUIT/MIT BESCHALTUNG



YD: LED+Diode 24 VDC



YT: LED+Z-Diode 24 VAC/DC



YV: LED+Varistor 24 VAC/DC

Connector/Steckverbinder C  
with circuit/mit Beschaltung



### DETAILS

|                                                             |                                                                 |
|-------------------------------------------------------------|-----------------------------------------------------------------|
| <b>_ Industrial/DIN 43650/EN 175301-803</b>                 | <b>_ Industrial/DIN 43650/EN 175301-803</b>                     |
| <b>_ Contact spacing 8 mm (DIN/EN), 9,4 mm (Industrial)</b> | <b>_ Kontaktabstand 8 mm (DIN/EN), 9,4 mm (Industrial)</b>      |
| <b>_ Rated voltage 24 V</b>                                 | <b>_ Nennspannung 24 V</b>                                      |
| <b>_ Operating current 6 A</b>                              | <b>_ Dauerstrom 6 A</b>                                         |
| <b>_ Max. current 10 A</b>                                  | <b>_ Max. Strom 10 A</b>                                        |
| <b>_ Max. wire gauge 0,75 mm²</b>                           | <b>_ Max. Leiterquerschnitt 0,75 mm²</b>                        |
| <b>_ Cable gland PG7/M16 optional</b>                       | <b>_ Kabelverschraubung PG7/M16 optional</b>                    |
| <b>_ Cable diameter 4–6 mm</b>                              | <b>_ Leitungsdurchmesser 4–6 mm</b>                             |
| <b>_ Protection class IP65 (EN 60529)</b>                   | <b>_ Schutzart IP65 (EN 60529)</b>                              |
| <b>_ Housingmaterial PA</b>                                 | <b>_ Gehäusematerial PA</b>                                     |
| <b>_ Contactmaterial CuZn (Ag)</b>                          | <b>_ Kontaktmaterial CuZn (Ag)</b>                              |
| <b>_ Gasket (profil=1 / flat=2)* thermoplastic rubber</b>   | <b>_ Dichtung (Profil=1 / Flach=2)* thermoplastisches Gummi</b> |
| <b>_ Screw M2,5 (DIN/EN)/M3 (Industrial)</b>                | <b>_ Befestigungsschraube M2,5 (DIN/EN)/M3 (Industrial)</b>     |
| <b>_ Temperature range –30 °C to +90 °C</b>                 | <b>_ Temperaturbereich –30 °C bis +90 °C</b>                    |

ORDER CODE/BESTELLNUMMERN

CONNECTOR/STECKVERBINDER B+C

CONNECTOR/STECKVERBINDER B, STYLE B-IND. OR/ODER B-DIN/EN



| Type/Ausführung |          | 10 mm                  | 11 mm                  |
|-----------------|----------|------------------------|------------------------|
| Colour          | Contacts | Part No.               | Part No.               |
| Farbe           | Polzahl  | Artikel Nr.            | Artikel Nr.            |
| black/schwarz   | 2+PE     | GDB3090S61             | GIB3090S61             |
| grey/grau       | 2+PE     | on request/auf Anfrage | on request/auf Anfrage |

CONNECTOR/STECKVERBINDER B, WITH CIRCUIT/MIT BESCHALTUNG



| Type/Ausführung |          | 10 mm       | 11 mm       |              |
|-----------------|----------|-------------|-------------|--------------|
| Colour          | Contacts | Part No.    | Part No.    | Circuit      |
| Farbe           | Polzahl  | Artikel Nr. | Artikel Nr. | Beschaltung  |
| transparent     | 2+PE     | GDB3YD90T21 | GIB3YD90T21 | LED+Diode    |
| transparent     | 2+PE     | GDB3YT90T21 | GIB3YT90T21 | LED+Z-Diode  |
| transparent     | 2+PE     | GDB3YV90T21 | GIB3YV90T21 | LED+Varistor |

CONNECTOR/STECKVERBINDER C, STYLE C-IND. OR/ODER C-DIN/EN



| Type/Ausführung |          | 8 mm        | 9,4 mm      |
|-----------------|----------|-------------|-------------|
| Colour          | Contacts | Part No.    | Part No.    |
| Farbe           | Polzahl  | Artikel Nr. | Artikel Nr. |
| black/schwarz   | 2+PE     | GDC3070S61  | GIC3070S61  |
| black/schwarz   | 3+PE     | GDC4070S61  | GIC4070S61  |

CONNECTOR/STECKVERBINDER C, WITH CIRCUIT/MIT BESCHALTUNG



| Type/Ausführung |          | 8 mm        | 9,4 mm      |              |
|-----------------|----------|-------------|-------------|--------------|
| Colour          | Contacts | Part No.    | Part No.    | Circuit      |
| Farbe           | Polzahl  | Artikel Nr. | Artikel Nr. | Beschaltung  |
| transparent     | 2+PE     | GDC3YD70T21 | GIC3YD70T21 | LED+Diode    |
| transparent     | 2+PE     | GDC3YT70T21 | GIC3YT70T21 | LED+Z-Diode  |
| transparent     | 2+PE     | GDC3YV70T21 | GIC3YV70T21 | LED+Varistor |

PERFECT

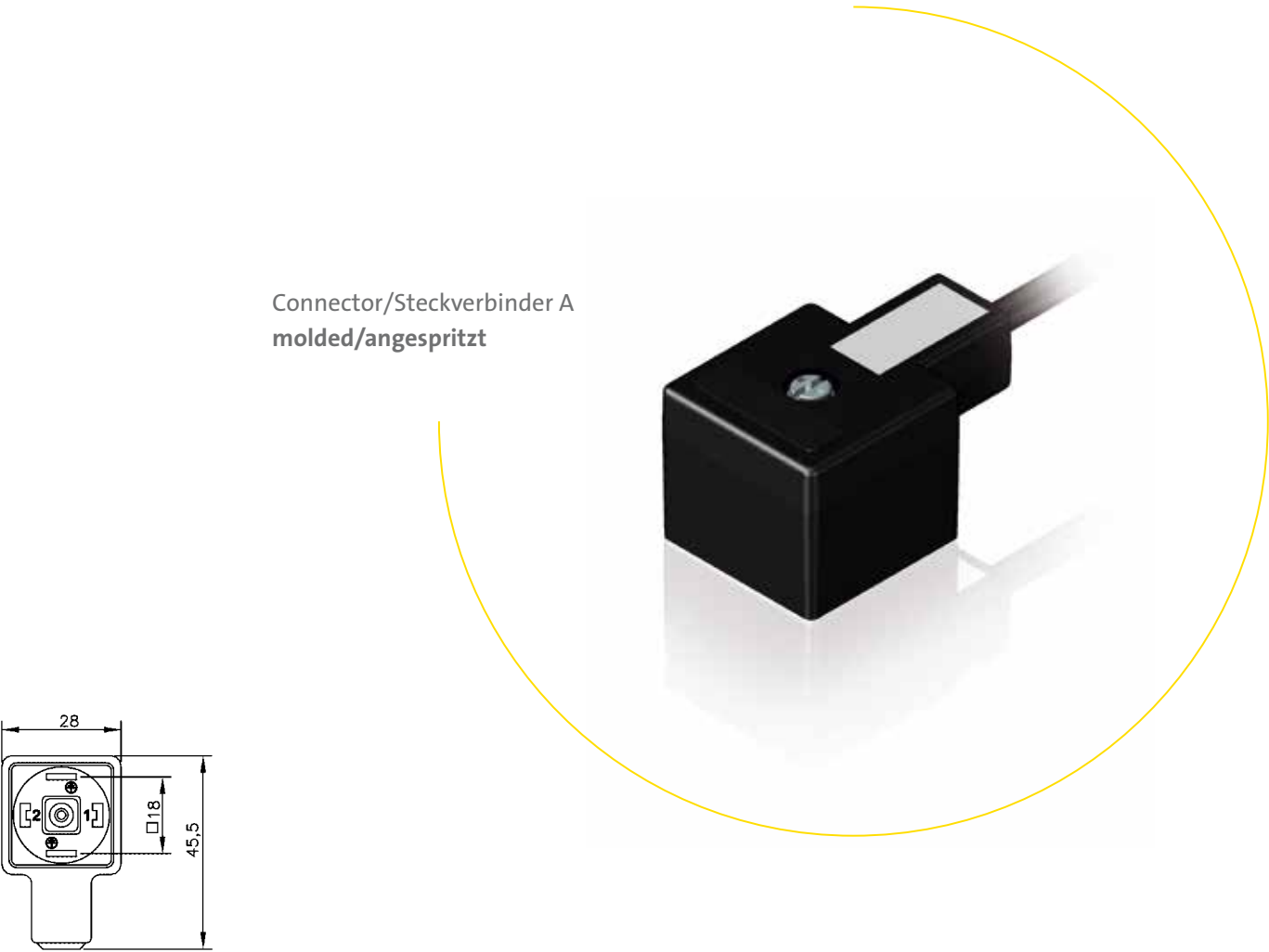
SOLUTIONS BY

GERMAN

ENGINEERING

# CONNECTOR/STECKVERBINDER A

## MOLDED/ANGESPRITZT

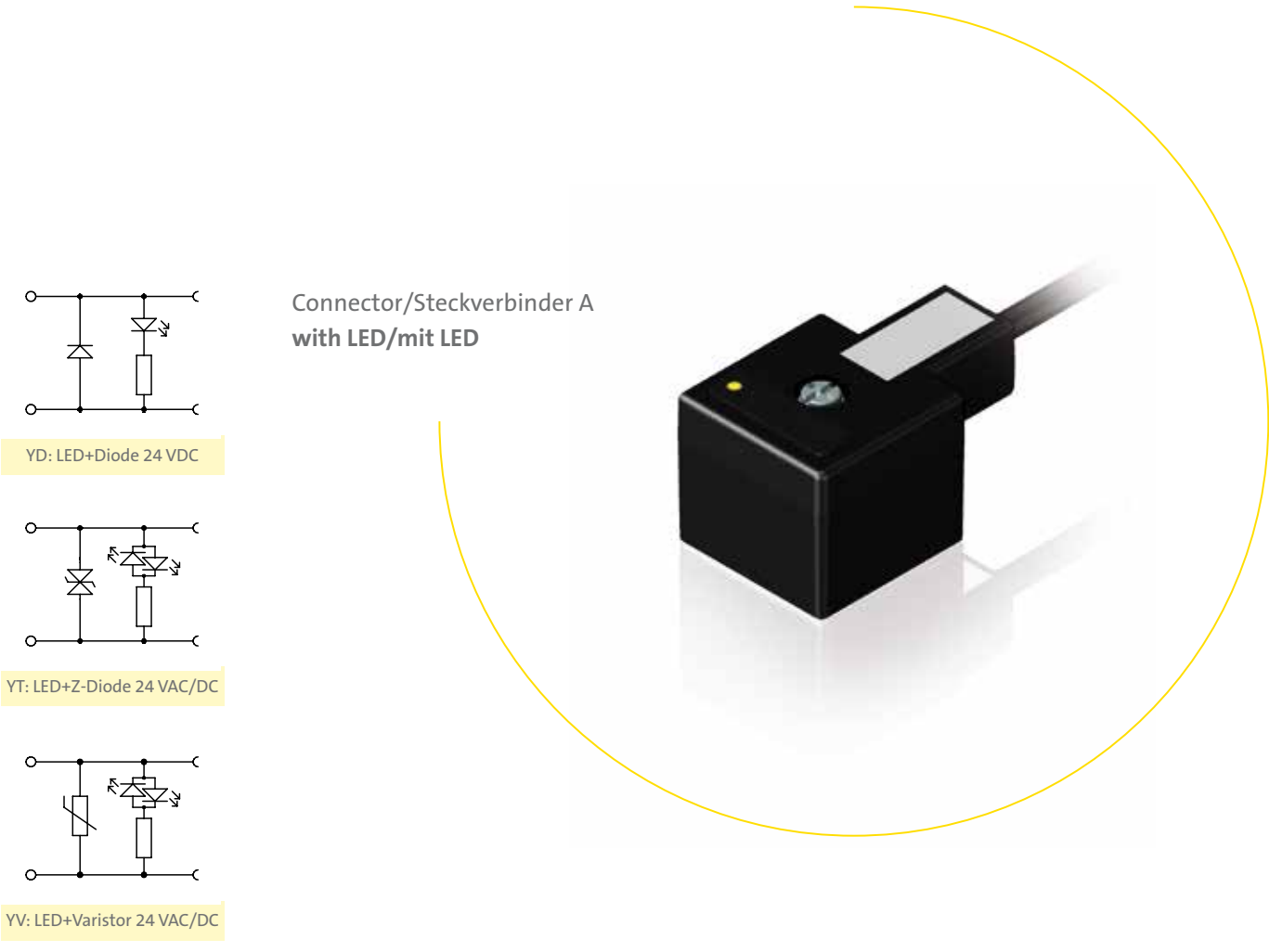


### DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>_ DIN 43650/EN 175301-803</div> <div>_ Contact spacing <b>18 mm</b></div> <div>_ Rated voltage <b>250 VAC/300 VDC</b></div> <div>_ Operating current <b>10 A</b></div> <div>_ PVC-cable <b>3 x 0,75 mm<sup>2</sup>/4 x 0,75 mm<sup>2</sup></b></div> <div>_ Cable diameter <b>6–7 mm</b></div> <div>_ Protection class <b>IP67</b></div> <div>_ Housingmaterial <b>PUR</b></div> <div>_ Screw <b>M3</b></div> <div>_ Temperature range <b>–25 °C to +80 °C</b></div> | <div>_ DIN 43650/EN 175301-803</div> <div>_ Kontaktabstand <b>18 mm</b></div> <div>_ Nennspannung <b>250 VAC/300 VDC</b></div> <div>_ Dauerstrom <b>10 A</b></div> <div>_ PVC-Leitung <b>3 x 0,75 mm<sup>2</sup>/4 x 0,75 mm<sup>2</sup></b></div> <div>_ Leitungsdurchmesser <b>6–7 mm</b></div> <div>_ Schutzart <b>IP67</b></div> <div>_ Gehäusematerial <b>PUR</b></div> <div>_ Befestigungsschraube <b>M3</b></div> <div>_ Temperaturbereich <b>–25 °C bis +80 °C</b></div> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# CONNECTOR/STECKVERBINDER A

## WITH LED/MIT LED



### DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>_ DIN 43650/EN 175301-803</div> <div>_ Contact spacing <b>18 mm</b></div> <div>_ Rated voltage <b>24 V</b></div> <div>_ Operating current <b>5 A</b></div> <div>_ Operating indicator <b>LED yellow</b></div> <div>_ Protection circuit <b>yes</b></div> <div>_ PVC-cable <b>3 x 0,75 mm<sup>2</sup></b></div> <div>_ Cable diameter <b>6–7 mm</b></div> <div>_ Protection class <b>IP67</b></div> <div>_ Housingmaterial <b>PUR</b></div> <div>_ Screw <b>M3</b></div> <div>_ Temperature range <b>–25 °C to +80 °C</b></div> | <div>_ DIN 43650/EN 175301-803</div> <div>_ Kontaktabstand <b>18 mm</b></div> <div>_ Nennspannung <b>24 V</b></div> <div>_ Dauerstrom <b>5 A</b></div> <div>_ Betriebsanzeige <b>LED gelb</b></div> <div>_ Schutzbeschaltung <b>ja</b></div> <div>_ PVC-Leitung <b>3 x 0,75 mm<sup>2</sup></b></div> <div>_ Leitungsdurchmesser <b>6–7 mm</b></div> <div>_ Schutzart <b>IP67</b></div> <div>_ Gehäusematerial <b>PUR</b></div> <div>_ Befestigungsschraube <b>M3</b></div> <div>_ Temperaturbereich <b>–25 °C bis +80 °C</b></div> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

CONNECTOR/STECKVERBINDER B

MOLDED/ANGESPRITZT

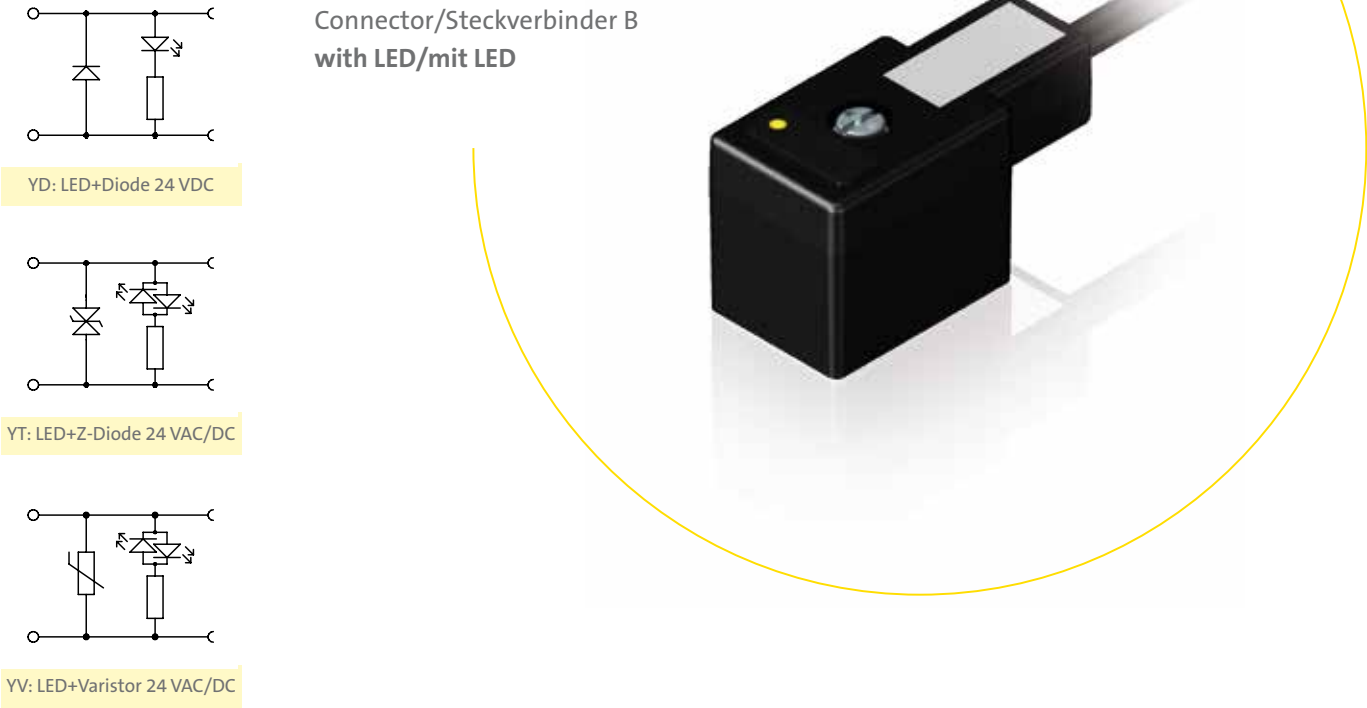


DETAILS

|                                                             |                                                            |
|-------------------------------------------------------------|------------------------------------------------------------|
| <b>_ Industrial/DIN 43650/EN 175301-803</b>                 | <b>_ Industrial/DIN 43650/EN 175301-803</b>                |
| <b>_ Contact spacing 10 mm (DIN/EN), 11 mm (Industrial)</b> | <b>_ Kontaktabstand 10 mm (DIN/EN), 11 mm (Industrial)</b> |
| <b>_ Rated voltage 250 VAC/300 VDC</b>                      | <b>_ Nennspannung 250 VAC/300 VDC</b>                      |
| <b>_ Operating current 10 A</b>                             | <b>_ Dauerstrom 10 A</b>                                   |
| <b>_ PVC-cable 3 x 0,75 mm<sup>2</sup></b>                  | <b>_ PVC-Leitung 3 x 0,75 mm<sup>2</sup></b>               |
| <b>_ Cable diameter 6–7 mm</b>                              | <b>_ Leitungsdurchmesser 6–7 mm</b>                        |
| <b>_ Protection class IP67</b>                              | <b>_ Schutzart IP67</b>                                    |
| <b>_ Housingmaterial PUR</b>                                | <b>_ Gehäusematerial PUR</b>                               |
| <b>_ Screw M3</b>                                           | <b>_ Befestigungsschraube M3</b>                           |
| <b>_ Temperature range –25 °C to +80 °C</b>                 | <b>_ Temperaturbereich –25 °C bis +80 °C</b>               |

CONNECTOR/STECKVERBINDER B

WITH LED/MIT LED



DETAILS

|                                                             |                                                            |
|-------------------------------------------------------------|------------------------------------------------------------|
| <b>_ Industrial/DIN 43650/EN 175301-803</b>                 | <b>_ Industrial/DIN 43650/EN 175301-803</b>                |
| <b>_ Contact spacing 10 mm (DIN/EN), 11 mm (Industrial)</b> | <b>_ Kontaktabstand 10 mm (DIN/EN), 11 mm (Industrial)</b> |
| <b>_ Rated voltage 24 V</b>                                 | <b>_ Nennspannung 24 V</b>                                 |
| <b>_ Operating current 5 A</b>                              | <b>_ Dauerstrom 5 A</b>                                    |
| <b>_ Operating indicator LED yellow</b>                     | <b>_ Betriebsanzeige LED gelb</b>                          |
| <b>_ Protection circuit yes</b>                             | <b>_ Schutzbeschaltung ja</b>                              |
| <b>_ PVC-cable 3 x 0,75 mm<sup>2</sup></b>                  | <b>_ PVC-Leitung 3 x 0,75 mm<sup>2</sup></b>               |
| <b>_ Cable diameter 6–7 mm</b>                              | <b>_ Leitungsdurchmesser 6–7 mm</b>                        |
| <b>_ Protection class IP67</b>                              | <b>_ Schutzart IP67</b>                                    |
| <b>_ Housingmaterial PUR</b>                                | <b>_ Gehäusematerial PUR</b>                               |
| <b>_ Screw M3</b>                                           | <b>_ Befestigungsschraube M3</b>                           |
| <b>_ Temperature range –25 °C to +80 °C</b>                 | <b>_ Temperaturbereich –25 °C bis +80 °C</b>               |

# CONNECTOR/STECKVERBINDER C

## MOLDED/ANGESPRITZT



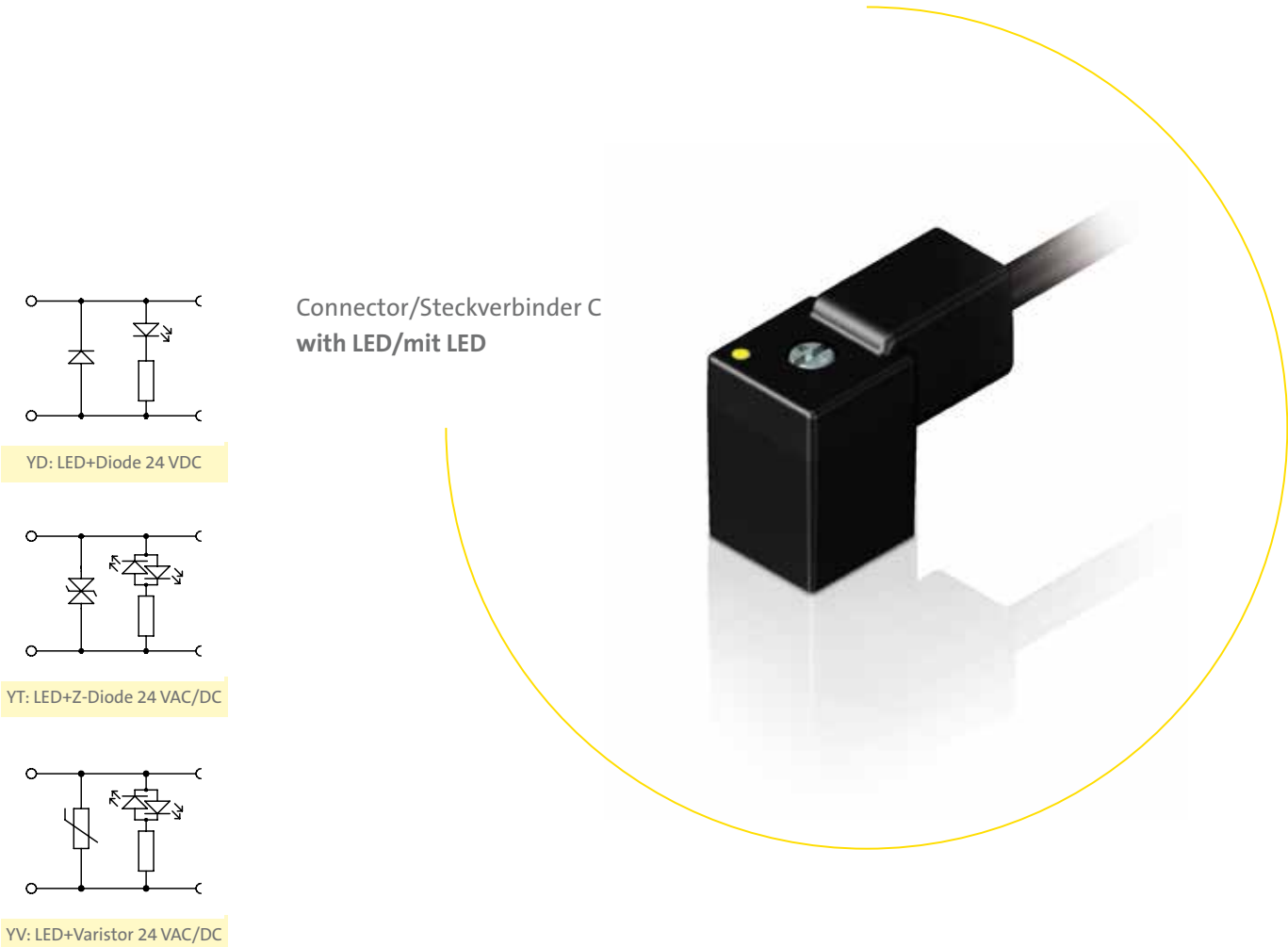
Connector/Steckverbinder C  
molded/angespritzt

### DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>_ Industrial/DIN 43650/EN 175301-803</li> <li>_ Contact spacing 8 mm (DIN/EN), 9,4 mm (Industrial)</li> <li>_ Rated voltage 250 VAC/300 VDC</li> <li>_ Operating current 6 A</li> <li>_ PVC-cable 3 x 0,5 mm<sup>2</sup></li> <li>_ Cable diameter 5–6 mm</li> <li>_ Protection class IP67</li> <li>_ Housingmaterial PUR</li> <li>_ Screw M2,5 (DIN/EN), M3 (Industrial)</li> <li>_ Temperature range –25 °C to +80 °C</li> </ul> | <ul style="list-style-type: none"> <li>_ Industrial/DIN 43650/EN 175301-803</li> <li>_ Kontaktabstand 8 mm (DIN/EN), 9,4 mm (Industrial)</li> <li>_ Nennspannung 250 VAC/300 VDC</li> <li>_ Dauerstrom 6 A</li> <li>_ PVC-Leitung 3 x 0,5 mm<sup>2</sup></li> <li>_ Leitungsdurchmesser 5–6 mm</li> <li>_ Schutzart IP67</li> <li>_ Gehäusematerial PUR</li> <li>_ Befestigungsschraube M2,5 (DIN/EN), M3 (Industrial)</li> <li>_ Temperaturbereich –25 °C bis +80 °C</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# CONNECTOR/STECKVERBINDER C

## WITH LED/MIT LED



Connector/Steckverbinder C  
with LED/mit LED

### DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>_ Industrial/DIN 43650/EN 175301-803</li> <li>_ Contact spacing 8 mm (DIN/EN), 9,4 mm (Industrial)</li> <li>_ Rated voltage 24 V</li> <li>_ Operating current 3 A</li> <li>_ Operating indicator LED yellow</li> <li>_ Protection circuit yes</li> <li>_ PVC-cable 3 x 0,5 mm<sup>2</sup></li> <li>_ Cable diameter 5–6 mm</li> <li>_ Protection class IP67</li> <li>_ Housingmaterial PUR</li> <li>_ Screw M2,5 (DIN/EN), M3 (Industrial)</li> <li>_ Temperature range –25 °C to +80 °C</li> </ul> | <ul style="list-style-type: none"> <li>_ Industrial/DIN 43650/EN 175301-803</li> <li>_ Kontaktabstand 8 mm (DIN/EN), 9,4 mm (Industrial)</li> <li>_ Nennspannung 24 V</li> <li>_ Dauerstrom 3 A</li> <li>_ Betriebsanzeige LED gelb</li> <li>_ Schutzbeschaltung ja</li> <li>_ PVC-Leitung 3 x 0,5 mm<sup>2</sup></li> <li>_ Leitungsdurchmesser 5–6 mm</li> <li>_ Schutzart IP67</li> <li>_ Gehäusematerial PUR</li> <li>_ Befestigungsschraube M2,5 (DIN/EN), M3 (Industrial)</li> <li>_ Temperaturbereich –25 °C bis +80 °C</li> </ul> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

ORDER CODE/BESTELLNUMMERN

CONNECTOR/STECKVERBINDER A+B+C

CONNECTOR/STECKVERBINDER A, MOLDED/ANGESPRITZT



| Type/Ausführung |          | 3 m         | 5 m         | 10 m        |
|-----------------|----------|-------------|-------------|-------------|
| Contact spacing | Contacts | Part No.    | Part No.    | Part No.    |
| Kontaktabstand  | Polzahl  | Artikel Nr. | Artikel Nr. | Artikel Nr. |
| 18 mm           | 2+PE     | CDA30US6013 | CDA30US6015 | CDA30US6010 |
| 18 mm           | 3+PE     | CDA40US6013 | CDA40US6015 | CDA40US6010 |

CONNECTOR/STECKVERBINDER A, WITH LED/MIT LED



| Type/Ausführung |          | 3 m          | 5 m          | 10 m         |              |
|-----------------|----------|--------------|--------------|--------------|--------------|
| Contact spacing | Contacts | Part No.     | Part No.     | Part No.     | Circuit      |
| Kontaktabstand  | Polzahl  | Artikel Nr.  | Artikel Nr.  | Artikel Nr.  | Beschaltung  |
| 18 mm           | 2+PE     | CDA3YDUT2013 | CDA3YDUT2015 | CDA3YDUT2010 | LED+Diode    |
| 18 mm           | 2+PE     | CDA3YTUT2013 | CDA3YTUT2015 | CDA3YTUT2010 | LED+Z-Diode  |
| 18 mm           | 2+PE     | CDA3YVUT2013 | CDA3YVUT2015 | CDA3YVUT2010 | LED+Varistor |

CONNECTOR/STECKVERBINDER B, MOLDED/ANGESPRITZT



| Type/Ausführung    |          | 3 m         | 5 m         | 10 m        |
|--------------------|----------|-------------|-------------|-------------|
| Contact spacing    | Contacts | Part No.    | Part No.    | Part No.    |
| Kontaktabstand     | Polzahl  | Artikel Nr. | Artikel Nr. | Artikel Nr. |
| 10 mm (DIN/EN)     | 2+PE     | CDB300S6013 | CDB300S6015 | CDB300S6010 |
| 11 mm (Industrial) | 2+PE     | CIB300S6013 | CIB300S6015 | CIB300S6010 |

CONNECTOR/STECKVERBINDER B, WITH LED/MIT LED



| Type/Ausführung    |          | 3 m          | 5 m          | 10 m         |              |
|--------------------|----------|--------------|--------------|--------------|--------------|
| Contact spacing    | Contacts | Part No.     | Part No.     | Part No.     | Circuit      |
| Kontaktabstand     | Polzahl  | Artikel Nr.  | Artikel Nr.  | Artikel Nr.  | Beschaltung  |
| 10 mm (DIN/EN)     | 2+PE     | CDB3YD0T2013 | CDB3YD0T2015 | CDB3YD0T2010 | LED+Diode    |
| 10 mm (DIN/EN)     | 2+PE     | CDB3YT0T2013 | CDB3YT0T2015 | CDB3YT0T2010 | LED+Z-Diode  |
| 10 mm (DIN/EN)     | 2+PE     | CDB3YV0T2013 | CDB3YV0T2015 | CDB3YV0T2010 | LED+Varistor |
| 11 mm (Industrial) | 2+PE     | CIB3YD0T2013 | CIB3YD0T2015 | CIB3YD0T2010 | LED+Diode    |
| 11 mm (Industrial) | 2+PE     | CIB3YT0T2013 | CIB3YT0T2015 | CIB3YT0T2010 | LED+Z-Diode  |
| 11 mm (Industrial) | 2+PE     | CIB3YV0T2013 | CIB3YV0T2015 | CIB3YV0T2010 | LED+Varistor |

CONNECTOR/STECKVERBINDER C, MOLDED/ANGESPRITZT



| Type/Ausführung     |          | 3 m         | 5 m         | 10 m        |
|---------------------|----------|-------------|-------------|-------------|
| Contact spacing     | Contacts | Part No.    | Part No.    | Part No.    |
| Kontaktabstand      | Polzahl  | Artikel Nr. | Artikel Nr. | Artikel Nr. |
| 8 mm (DIN/EN)       | 2+PE     | CDC30US6013 | CDC30US6015 | CDC30US6010 |
| 9,4 mm (Industrial) | 2+PE     | CIC30US6013 | CIC30US6015 | CIC30US6010 |

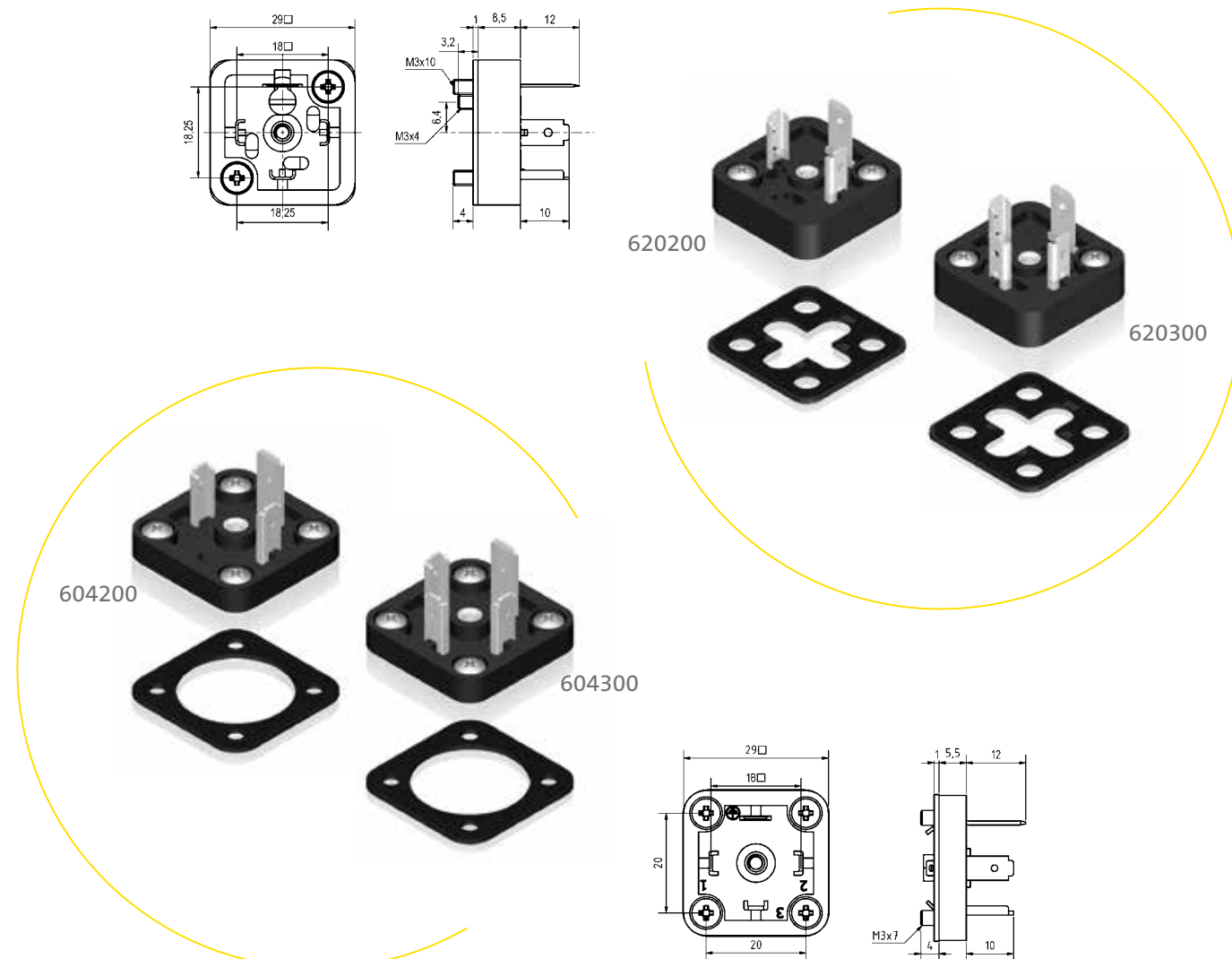
CONNECTOR/STECKVERBINDER C, WITH LED/MIT LED



| Type/Ausführung     |          | 3 m          | 5 m          | 10 m         |              |
|---------------------|----------|--------------|--------------|--------------|--------------|
| Contact spacing     | Contacts | Part No.     | Part No.     | Part No.     | Circuit      |
| Kontaktabstand      | Polzahl  | Artikel Nr.  | Artikel Nr.  | Artikel Nr.  | Beschaltung  |
| 8 mm (DIN/EN)       | 2+PE     | CDC3YDUT2013 | CDC3YDUT2013 | CDC3YDUT2010 | LED+Diode    |
| 8 mm (DIN/EN)       | 2+PE     | CDC3YTUT2013 | CDC3YTUT2013 | CDC3YTUT2010 | LED+Z-Diode  |
| 8 mm (DIN/EN)       | 2+PE     | CDC3YVUT2013 | CDC3YVUT2013 | CDC3YVUT2010 | LED+Varistor |
| 9,4 mm (Industrial) | 2+PE     | CIC3YDUT2013 | CIC3YDUT2013 | CIC3YDUT2010 | LED+Diode    |
| 9,4 mm (Industrial) | 2+PE     | CIC3YTUT2013 | CIC3YTUT2013 | CIC3YTUT2010 | LED+Z-Diode  |
| 9,4 mm (Industrial) | 2+PE     | CIC3YVUT2013 | CIC3YVUT2013 | CIC3YVUT2010 | LED+Varistor |

## BASE CONNECTOR/STIFTPLATTE A

## 3- OR 4-POLE/3- ODER 4-POLIG, SQUARE/QUADRATISCH



## DETAILS

## DIN 43650/EN 175301-803

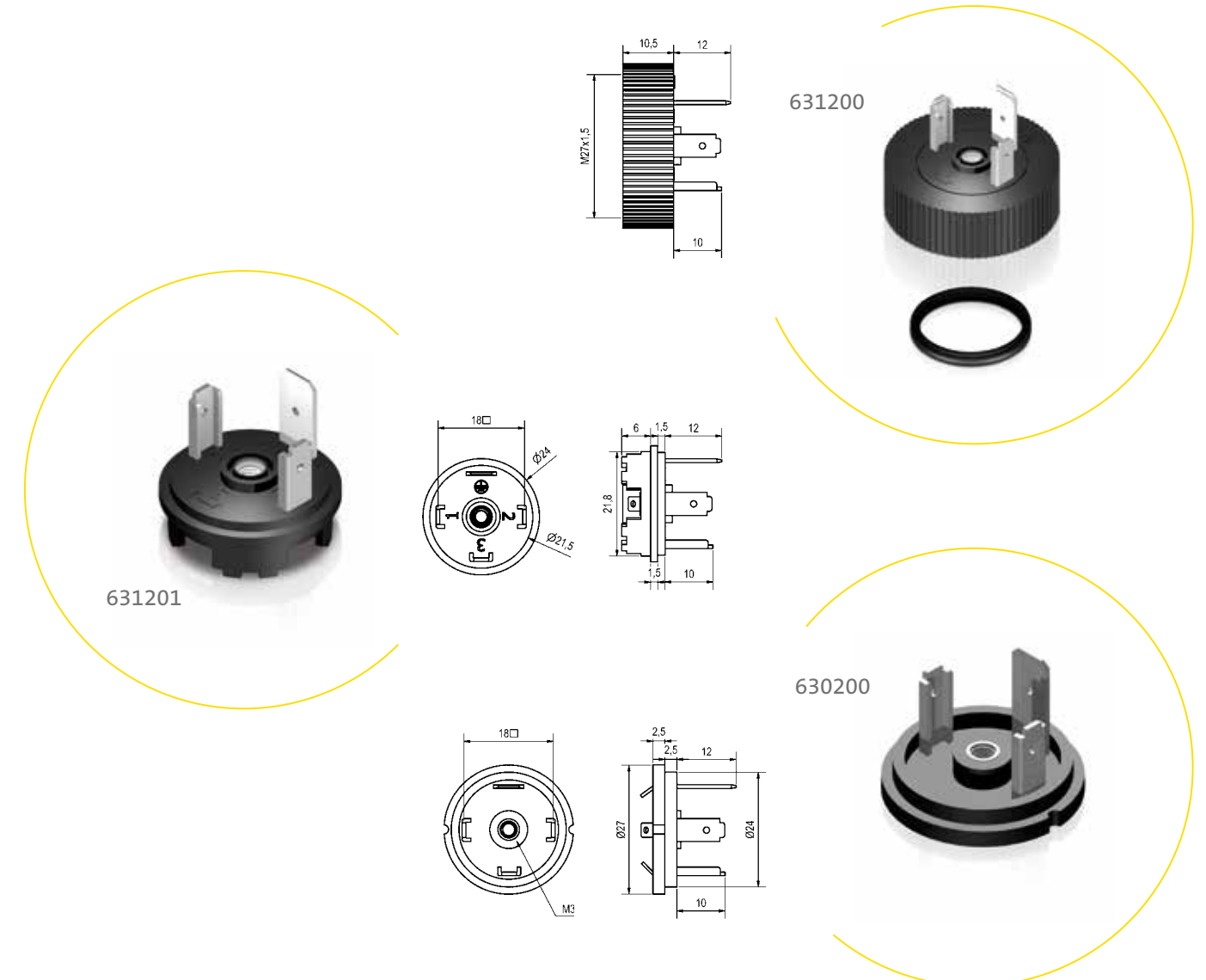
- \_ Contact spacing **18 mm**
  - \_ Rated voltage **250 VAC/300 VDC**
  - \_ Operating current **10 A**
  - \_ Max. current **16 A**
  - \_ Max. wire gauge **1,0 mm<sup>2</sup>**
  - \_ Termination **solder**
  - \_ Housing material **PA+30%GF**
  - \_ Contact material **CuZn (Ag)**
  - \_ Temperature range **-40 °C to +125 °C**
  - \_ **22 mm round collar** available
- Different screw lengths** available

## DIN 43650/EN 175301-803

- \_ Kontaktabstand **18 mm**
  - \_ Nennspannung **250 VAC/300 VDC**
  - \_ Dauerstrom **10 A**
  - \_ Max. Strom **16 A**
  - \_ Max. Leiterquerschnitt **1,0 mm<sup>2</sup>**
  - \_ Anschlussart **Löten**
  - \_ Gehäusematerial **PA+30%GF**
  - \_ Kontaktmaterial **CuZn (Ag)**
  - \_ Temperaturbereich **-40 °C bis +125 °C**
  - \_ **22 mm Rundkragen** verfügbar
- verschiedene Schraubenlängen** verfügbar

## BASE CONNECTOR/STIFTPLATTE A

### 3- OR 4-POLE/3- ODER 4-POLIG, ROUND/RUND



## DETAILS

## DIN 43650/EN 175301-803

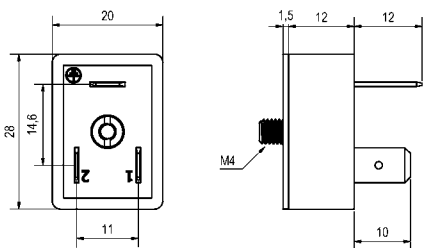
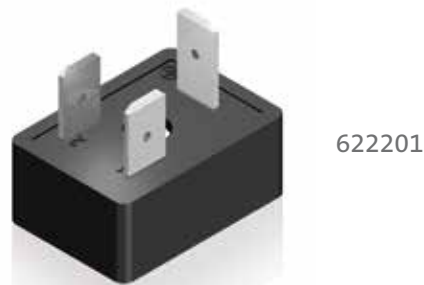
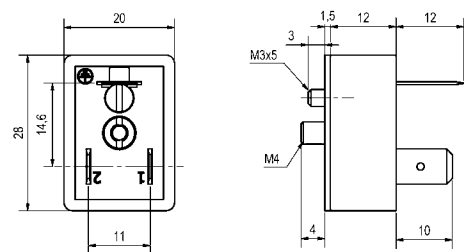
- \_ Contact spacing **18 mm**
  - \_ Rated voltage **250 VAC/300 VDC**
  - \_ Operating current **10 A**
  - \_ Max. current **16 A**
  - \_ Max. wire gauge **1,0 mm<sup>2</sup>**
  - \_ Termination **solder**
  - \_ Housing material **PA+30%GF**
  - \_ Contact material **CuZn (Ag)**
  - \_ Temperature range **-40 °C to +125 °C**
- With/without locking available**

## DIN 43650/EN 175301-803

- \_ Kontaktabstand **18 mm**
- \_ Nennspannung **250 VAC/300 VDC**
- \_ Dauerstrom **10 A**
- \_ Max. Strom **16 A**
- \_ Max. Leiterquerschnitt **1,0 mm<sup>2</sup>**
- \_ Anschlussart **Löten**
- \_ Gehäusematerial **PA+30%GF**
- \_ Kontaktmaterial **CuZn (Ag)**
- \_ Temperaturbereich **-40 °C bis +125 °C**
- Mit/ohne Überwurfmutter verfügbar**

# BASE CONNECTOR/STIFTPLATTE B

## 2-POLE + GROUND/2-POLIG + PE

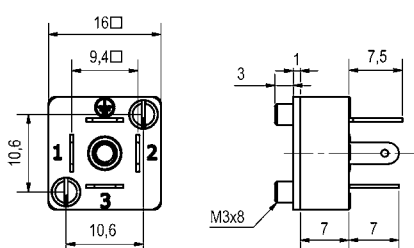
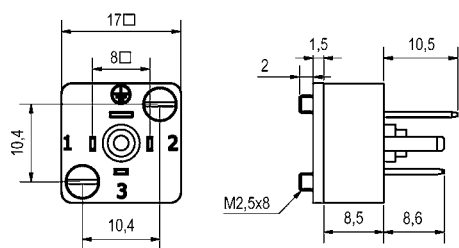


### DETAILS

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Industrial                          | Industrial                                 |
| Contact spacing 11 mm               | Kontaktabstand 11 mm                       |
| Rated voltage 250 VAC/300 VDC       | Nennspannung 250 VAC/300 VDC               |
| Operating current 10 A              | Dauerstrom 10 A                            |
| Max. current 16 A                   | Max. Strom 16 A                            |
| Max. wire gauge 1,0 mm <sup>2</sup> | Max. Leiterquerschnitt 1,0 mm <sup>2</sup> |
| Termination solder                  | Anschlussart Lötén                         |
| Housingmaterial PA+30%GF            | Gehäusematerial PA+30%GF                   |
| Contact material CuZn (Ag)          | Kontaktmaterial CuZn (Ag)                  |
| Temperature range -40 °C to +125 °C | Temperaturbereich -40 °C bis +125 °C       |
| With/without PE-screw available     | mit/ohne PE-Schraube verfügbar             |

# BASE CONNECTOR/STIFTPLATTE C

## 2- OR 3-POLE/2- ODER 3-POLIG



### DETAILS

|                                                    |                                                   |
|----------------------------------------------------|---------------------------------------------------|
| Industrial/DIN 43650/EN 175301-803                 | Industrial/DIN 43650/EN 175301-803                |
| Contact spacing 8 mm (DIN/EN), 9,4 mm (Industrial) | Kontaktabstand 8 mm (DIN/EN), 9,4 mm (Industrial) |
| Rated voltage 250VAC/300VDC                        | Nennspannung 250VAC/300VDC                        |
| Operating current 6A                               | Dauerstrom 6A                                     |
| Max. current 10A                                   | Max. Strom 10A                                    |
| Max. wire gauge 0,75 mm <sup>2</sup>               | Max. Leiterquerschnitt 0,75 mm <sup>2</sup>       |
| Termination solder                                 | Anschlussart Lötén                                |
| Housingmaterial PA + 30% GF                        | Gehäusematerial PA + 30% GF                       |
| Contact material CuZn (Ag)                         | Kontaktmaterial CuZn (Ag)                         |
| Temperature range -40° C to +125° C                | Temperaturbereich -40° C bis +125° C              |
| 4-pole available                                   | 4-polig verfügbar                                 |

## BASE CONNECTOR/STIFTPLATTE A+B+C

| Contacts/Polzahl        | 2 + PE                  | 3 + PE                  |                                 |
|-------------------------|-------------------------|-------------------------|---------------------------------|
| Mounting<br>Befestigung | Part No.<br>Artikel Nr. | Part No.<br>Artikel Nr. | Special Feature<br>Besonderheit |
| M3 x 10 mm (2x)         | 620200                  | 620300                  | M3 x 4 mm PE-screw/PE-Schraube  |
| M3 x 10 mm (2x)         | 628200                  | 628300                  | M3 x 4 mm PE-screw/PE-Schraube  |
| M3 x 10 mm (4x)         | 626200                  | 626300                  | M3 x 4 mm PE-screw/PE-Schraube  |
| M3 x 7 mm (4x)          | 604200                  | 604300                  |                                 |
| M3 x 7 mm (4x)          | 614200                  | 614300                  | 22 mm round collar/Rundkragen   |



| Contacts/Polzahl | 2 + PE      | 3 + PE      |                                      |
|------------------|-------------|-------------|--------------------------------------|
| Mounting         | Part No.    | Part No.    | Special Feature                      |
| Befestigung      | Artikel Nr. | Artikel Nr. | Besonderheit                         |
| Ø 24,5/22 mm     | 631200      | 631300      | M 27 x 1,5 lockring/Überwurfmutter   |
| Ø 24,5/22 mm     | 631201      | 631301      | without lockring/ohne Überwurfmutter |
| Ø 27/24 mm       | 630200      | 630300      |                                      |



|                  |             |                                   |
|------------------|-------------|-----------------------------------|
| Contacts/Polzahl | 2 + PE      |                                   |
| Mounting         | Part No.    | Special Feature                   |
| Befestigung      | Artikel Nr. | Besonderheit                      |
| M4 x 15,5 mm     | 622200      | M3 x 5 mm PE-screw/PE-Schraube    |
| M4 x 15,5 mm     | 622201      | without PE-screw/ohne PE-Schraube |



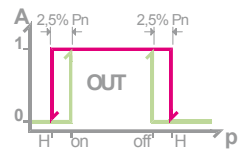
| Contacts/Polzahl | 2 + PE      | 3 + PE      |                     |
|------------------|-------------|-------------|---------------------|
| Mounting         | Part No.    | Part No.    | Contact spacing     |
| Befestigung      | Artikel Nr. | Artikel Nr. | Kontaktabstand      |
| M2,5 x 8,5 mm    | 615200      | 615300      | 8 mm (DIN/EN)       |
| M3 x 8,5 mm      | 629200      | 629300      | 9,4 mm (Industrial) |

## NOTES

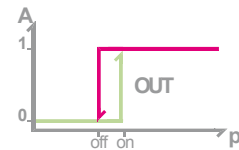
## DRUCKSCHALTER/ALLFLUID –1 BIS 400 BAR



Pressure switch/Druckschalter  
-14,5 to 5800 psi/ -1 bis 400 bar



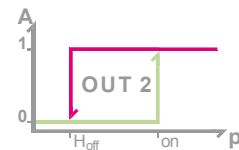
Window-comparator with 2x hysteresis/  
Fenster-Komparator mit 2x Hysterese



Threshold value comparator with hysteresis/  
Schwellwert-Komparator mit Hysterese



The outputs 1 and 2 are separately programmable/  
Die Ausgänge Out 1 und Out 2 sind separat programmierbar



## DETAILS

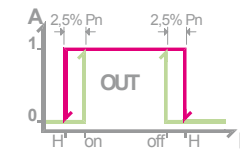
- \_ Operating voltage **18 to 32 VDC**
- \_ Current consumption w/o switch. output **< 80 mA**
- \_ Switching current SP 1 (contact 4) **1,3 A**
- \_ Switching current ERROR / SP 2 (cont. 2) **0,4 A**
- \_ Switchlogic programmable **NO/NC**
- \_ Switch output **short circuit protection**
- \_ Electrical connection **M12**
- \_ Fluid connection **G1/4i**
- \_ 3-digit LED-display 7-segment **red/0,4 inch**
- \_ Display programmable **0°/180°**
- \_ Light for switch status all-round **LED red/green**
- \_ Protection class **IP67**
- \_ Temperature range **-20 °C to +70 °C**
- \_ Temperature range medium **-20 °C to +70 °C**
- \_ Wetted material **AL/viton/ceramic**
- \_ Overload pressure **2 x P<sub>N</sub> (400 bar: 1,5 x P<sub>N</sub>)**
- \_ Linearity **≤ +0,2 to 1,5% P<sub>N</sub>**
- \_ Temperature sensitivity (zero point) **±0,2% P<sub>N</sub>**
- \_ Dimensions (H x W x D) **78 x 30 x 30 mm**

- \_ Betriebsspannung **18 bis 32 VDC**
- \_ Stromaufnahme ohne Schaltausgang **< 80 mA**
- \_ Schaltstrom SP 1 (Pin 4) **1,3 A**
- \_ Schaltstrom ERROR / SP 2 (Pin 2) **0,4 A**
- \_ Schaltlogik programmierbar **NO/NC**
- \_ Schaltausgänge **kurzschlussfest**
- \_ Elektroanschluss **M12**
- \_ Anschluss fluidisch **G1/4i**
- \_ 3-stellige LED-Anzeige 7-Segment **rot/10 mm**
- \_ Anzeige programmierbar **0°/180°**
- \_ Anzeige für Schaltzustand rundum **LED rot/grün**
- \_ Schutzart **IP67**
- \_ Temperaturbereich **-20 °C bis +70 °C**
- \_ Medium Temperaturbereich **-20 °C bis +70 °C**
- \_ Mediumberührende Teile **AL/Viton/Keramik**
- \_ Berstdruck **2 x P<sub>N</sub> (400 bar: 1,5 x P<sub>N</sub>)**
- \_ Linearität **≤ +0,2 bis 1,5% P<sub>N</sub>**
- \_ TK-Nullpunkt **±0,2% P<sub>N</sub>**
- \_ Außenabmessung (H x B x T) **78 x 30 x 30 mm**

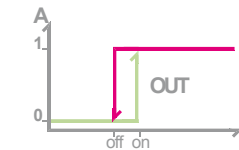
## DRUCKSCHALTER-TRANSMITTER/ALLFLUID –1 BIS 400 BAR



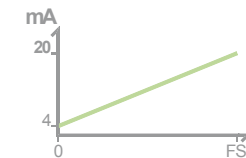
Pressure switch-/Druckschalter-Transmitter  
-14,5 to 5800 psi/ -1 bis 400 bar



Window-comparator with 2x hysteresis,  
Fenster-Komparator mit 2x Hysterese



Threshold value comparator with hysteresis/  
Schwellwert-Komparator mit Hysteresis



## DETAILS

- \_ Operating voltage **18 to 32 VDC**
- \_ Current consumption w/o switch. output **< 80 mA**
- \_ Switching current SP 1 (contact 4) **1,3 A**
- \_ Output 2 (cont. 2) **4–20 mA**
- \_ Switchlogic programmable **NO/NC**
- \_ Switch output **short circuit protection**
- \_ Electrical connection **M12**
- \_ Fluid connection **G1/4i**
- \_ 3-digit LED-display 7-segment **red/0,4 inch**
- \_ Display programmable **0°/180°**
- \_ Light for switch status all-round LED **red/green**
- \_ Protection class **IP67**
- \_ Temperature range **–20 °C to +70 °C**
- \_ Temperature range medium **–20 °C to +70 °C**
- \_ Wetted material **AL/viton/ceramic**
- \_ Overload pressure **2 x P<sub>N</sub> (400 bar: 1,5 x P<sub>N</sub>)**
- \_ Linearity **≤ +0,2 to 1,5% P<sub>N</sub>**
- \_ Temperature sensitivity (zero point) **±0,2% P<sub>N</sub>**
- \_ Minimum load for analog output **< 400 Ohm**
- Dimensions (H x W x D) **78 x 30 x 30 mm**

- \_ Betriebsspannung **18 bis 32 VDC**
  - \_ Stromaufnahme ohne Schaltausgang **< 80 mA**
  - \_ Schaltstrom SP 1 (Pin 4) **1,3 A**
  - \_ Ausgang 2 (Pin 2) **4–20 mA**
  - \_ Schaltlogik programmierbar **NO/NC**
  - \_ Schaltausgänge **kurzschlussfest**
  - \_ Elektroanschluss **M12**
  - \_ Anschluss fluidisch **G1/4i**
  - \_ 3-stellige LED-Anzeige 7-Segment **rot/10 mm**
  - \_ Anzeige programmierbar **0°/180°**
  - \_ Anzeige für Schaltzustand rundum **LED rot/grün**
  - \_ Schutzart **IP67**
  - \_ Temperaturbereich **–20 °C bis +70 °C**
  - \_ Medium Temperaturbereich **–20 °C bis +70 °C**
  - \_ Mediumberührende Teile **AL/Viton/Keramik**
  - \_ Berstdruck **2 x P<sub>N</sub> (400 bar: 1,5 x P<sub>N</sub>)**
  - \_ Linearität **≤ +0,2 bis 1,5% P<sub>N</sub>**
  - \_ TK-Nullpunkt **±0,2% P<sub>N</sub>**
  - \_ Bürde für Analogausgang **< 400 Ohm**
- Außenabmessung (H x B x T) **78 x 30 x 30 mm**

PRESSURE TRANSMITTER-EPT/DEUTSCH DT/58 TO 14500 PSI  
DRUCKTRANSMITTER-EPT/DEUTSCH DT/4 BIS 1000 BAR

Pressure Transmitter-EPT/Drucktransmitter-EPT/Deutsch DT  
58 to 14500 psi/ 4 bis 1000 bar



DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>_ Operating voltage (0 to 10 V) 15 to 30 VDC</div> <div>_ Operating voltage (4 to 20 mA) 10 to 30 VDC</div> <div>_ Output short-circuit-proof</div> <div>_ Supply voltage reverse polarity protection</div> <div>_ Electrical connection Deutsch DT 4 pole</div> <div>_ Fluid connection G1/4</div> <div>_ Wrench 22 mm</div> <div>_ Protection class IP67</div> <div>_ Temperature range -40 °C to +105 °C</div> <div>_ Temperature range medium -40 °C to +125 °C</div> <div>_ Housing stainless steel AISi 304</div> <div>_ Wetted material stainless steel AISI 430 F/17-4 PH</div> <div>_ Overload pressure see table</div> <div>_ Hystere +/-0,15% FS max</div> <div>_ Linearity +/-0,25% FS max</div> <div>_ Temperature sensitivity (zero point) +/-0,02% FS/C° max</div> <div>_ Minimum load for analog output 1000 Ohm (24 V = 600 Ohm) see chart</div> <div>_ Shock resistance 100 g/11 msec according to IEC 60068-2-6</div> <div>_ Vibration resistance 20 g max at 10...2000 Hz according to IEC 60068-2-6</div> <div>_ CE-Conformity according to EC directive 2014/30/EU</div> | <div>_ Betriebsspannung (0 bis 10 V) 15 bis 30 VDC</div> <div>_ Betriebsspannung (4 bis 20 mA) 10 bis 30 VDC</div> <div>_ Ausgang kurzschlussfest</div> <div>_ Versorgungsspannung verpolungssicher</div> <div>_ Elektroanschluss Deutsch DT 4 pol.</div> <div>_ Anschluss fluidisch G1/4</div> <div>_ Schlüsselweite 22 mm</div> <div>_ Schutzart IP67</div> <div>_ Temperaturbereich -40 °C bis +105 °C</div> <div>_ Medium Temperaturbereich -40 °C bis +125 °C</div> <div>_ Gehäuse Edelstahl AISi 304</div> <div>_ Mediumberührende Teile Edelstahl AISI 430 F/17-4 PH</div> <div>_ Berstdruck siehe Tabelle</div> <div>_ Hystere +/-0,15% v. EW max</div> <div>_ Linearität +/-0,25% v. EW max</div> <div>_ TK-Nullpunkt +/-0,02% v. EW/C° max</div> <div>_ Bürde für Analogausgang 1000 Ohm (24 V = 600 Ohm) siehe Diagramm</div> <div>_ Schockfestigkeit 100 g/11 msec nach IEC 60068-2-6</div> <div>_ Vibrationsfestigkeit 20 g max bei 10...2000 Hz nach IEC 60068-2-6</div> <div>_ CE-Konformität gemäß Richtlinie 2014/30/EU</div> |
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PRESSURE TRANSMITTER-EPT/AMP SUPER SEAL/58 TO 14500 PSI  
DRUCKTRANSMITTER-EPT/AMP SUPER SEAL/4 BIS 1000 BAR

Pressure Transmitter-EPT/Drucktransmitter-EPT/AMP SUPER SEAL  
58 to 14500 psi/ 4 bis 1000 bar



DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>_ Operating voltage (0 to 10 V) 15 to 30 VDC</div> <div>_ Operating voltage (4 to 20 mA) 10 to 30 VDC</div> <div>_ Output short-circuit-proof</div> <div>_ Supply voltage reverse polarity protection</div> <div>_ Electrical connection AMP Super Seal 3 pole</div> <div>_ Fluid connection G1/4</div> <div>_ Wrench 22 mm</div> <div>_ Protection class IP67</div> <div>_ Temperature range -40 °C to +105 °C</div> <div>_ Temperature range medium -40 °C to +125 °C</div> <div>_ Housing stainless steel AISi 304</div> <div>_ Wetted material stainless steel AISI 430 F/17-4 PH</div> <div>_ Overload pressure see table</div> <div>_ Hystere +/-0,15% FS max</div> <div>_ Linearity +/-0,25% FS max</div> <div>_ Temperature sensitivity (zero point) +/-0,02% FS/C° max</div> <div>_ Minimum load for analog output 1000 Ohm (24 V = 600 Ohm) see chart</div> <div>_ Shock resistance 100 g/11 msec according to IEC 60068-2-6</div> <div>_ Vibration resistance 20 g max at 10...2000 Hz according to IEC 60068-2-6</div> <div>_ CE-Conformity according to EC directive 2014/30/EU</div> | <div>_ Betriebsspannung (0 bis 10 V) 15 bis 30 VDC</div> <div>_ Betriebsspannung (4 bis 20 mA) 10 bis 30 VDC</div> <div>_ Ausgang kurzschlussfest</div> <div>_ Versorgungsspannung verpolungssicher</div> <div>_ Elektroanschluss AMP Super Seal 3 pol.</div> <div>_ Anschluss fluidisch G1/4</div> <div>_ Schlüsselweite 22 mm</div> <div>_ Schutzart IP67</div> <div>_ Temperaturbereich -40 °C bis +105 °C</div> <div>_ Medium Temperaturbereich -40 °C bis +125 °C</div> <div>_ Gehäuse Edelstahl AISi 304</div> <div>_ Mediumberührende Teile Edelstahl AISI 430 F/17-4 PH</div> <div>_ Berstdruck siehe Tabelle</div> <div>_ Hystere +/-0,15% v. EW max</div> <div>_ Linearität +/-0,25% v. EW max</div> <div>_ TK-Nullpunkt +/-0,02% v. EW/C° max</div> <div>_ Bürde für Analogausgang 1000 Ohm (24 V = 600 Ohm) siehe Diagramm</div> <div>_ Schockfestigkeit 100 g/11 msec nach IEC 60068-2-6</div> <div>_ Vibrationsfestigkeit 20 g max bei 10...2000 Hz nach IEC 60068-2-6</div> <div>_ CE-Konformität gemäß Richtlinie 2014/30/EU</div> |
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PRESSURE TRANSMITTER-EPT/ DIN EN 175301-803/58 TO 14500 PSI  
DRUCKTRANSMITTER-EPT/DIN EN 175301-803/4 BIS 1000 BAR

Pressure Transmitter-EPT/ Drucktransmitter-EPT/DIN EN 175301-803  
58 to 14500 psi/ 4 bis 1000 bar



DETAILS

|                                                                            |                                                                     |
|----------------------------------------------------------------------------|---------------------------------------------------------------------|
| _ Operating voltage (0 to 10 V) 15 to 30 VDC                               | _ Betriebsspannung (0 bis 10 V) 15 bis 30 VDC                       |
| _ Operating voltage (4 to 20 mA) 10 to 30 VDC                              | _ Betriebsspannung (4 bis 20 mA) 10 bis 30 VDC                      |
| _ Output short-circuit-proof                                               | _ Ausgang kurzschlussfest                                           |
| _ Supply voltage reverse polarity protection                               | _ Versorgungsspannung verpolungssicher                              |
| _ Electrical connection DIN EN 175301-803                                  | _ Elektroanschluss DIN EN 175301-803                                |
| _ Fluid connection G1/4                                                    | _ Anschluss fluidisch G1/4                                          |
| _ Wrench 22 mm                                                             | _ Schlüsselweite 22 mm                                              |
| _ Protection class IP65                                                    | _ Schutzart IP65                                                    |
| _ Temperature range -40 °C to +105 °C                                      | _ Temperaturbereich -40 °C bis +105 °C                              |
| _ Temperature range medium -40 °C to +125 °C                               | _ Medium Temperaturbereich -40 °C bis +125 °C                       |
| _ Housing stainless steel AISi 304                                         | _ Gehäuse Edelstahl AISi 304                                        |
| _ Wetted material stainless steel AISI 430 F/17-4 PH                       | _ Mediumberührende Teile Edelstahl AISI 430 F/17-4 PH               |
| _ Overload pressure see table                                              | _ Berstdruck siehe Tabelle                                          |
| _ Hystere +/-0,15% FS max                                                  | _ Hystere +/-0,15% v. EW max                                        |
| _ Linearity +/-0,25% FS max                                                | _ Linearität +/-0,25% v. EW max                                     |
| _ Temperature sensitivity (zero point) +/-0,02% FS/C° max                  | _ TK-Nullpunkt +/-0,02% v. EW/C° max                                |
| _ Minimum load for analog output 1000 Ohm (24 V = 600 Ohm) see chart       | _ Bürde für Analogausgang 1000 Ohm (24 V = 600 Ohm) siehe Diagramm  |
| _ Shock resistance 100 g/11 msec according to IEC 60068-2-6                | _ Schockfestigkeit 100 g/11 msec nach IEC 60068-2-6                 |
| _ Vibration resistance 20 g max at 10...2000 Hz according to IEC 60068-2-6 | _ Vibrationsfestigkeit 20 g max bei 10...2000 Hz nach IEC 60068-2-6 |
| _ CE-Conformity according to EC directive 2014/30/EU                       | _ CE-Konformität gemäß Richtlinie 2014/30/EU                        |

PRESSURE TRANSMITTER-EPT/M12/58 TO 14500 PSI  
DRUCKTRANSMITTER-EPT/M12/4 BIS 1000 BAR

Pressure Transmitter-EPT/ Drucktransmitter-EPT/M12  
58 to 14500 psi/ 4 bis 1000 bar



DETAILS

|                                                                            |                                                                     |
|----------------------------------------------------------------------------|---------------------------------------------------------------------|
| _ Operating voltage (0 to 10 V) 15 to 30 VDC                               | _ Betriebsspannung (0 bis 10 V) 15 bis 30 VDC                       |
| _ Operating voltage (4 to 20 mA) 10 to 30 VDC                              | _ Betriebsspannung (4 bis 20 mA) 10 bis 30 VDC                      |
| _ Output short-circuit-proof                                               | _ Ausgang kurzschlussfest                                           |
| _ Supply voltage reverse polarity protection                               | _ Versorgungsspannung verpolungssicher                              |
| _ Electrical connection M12                                                | _ Elektroanschluss M12                                              |
| _ Fluid connection G1/4                                                    | _ Anschluss fluidisch G1/4                                          |
| _ Wrench 22 mm                                                             | _ Schlüsselweite 22 mm                                              |
| _ Protection class IP67                                                    | _ Schutzart IP67                                                    |
| _ Temperature range -40 °C to +105 °C                                      | _ Temperaturbereich -40 °C bis +105 °C                              |
| _ Temperature range medium -40 °C to +125 °C                               | _ Medium Temperaturbereich -40 °C bis +125 °C                       |
| _ Housing stainless steel AISi 304                                         | _ Gehäuse Edelstahl AISi 304                                        |
| _ Wetted material stainless steel AISI 430 F/17-4 PH                       | _ Mediumberührende Teile Edelstahl AISI 430 F/17-4 PH               |
| _ Overload pressure see table                                              | _ Berstdruck siehe Tabelle                                          |
| _ Hystere +/-0,15% FS max                                                  | _ Hystere +/-0,15% v. EW max                                        |
| _ Linearity +/-0,25% FS max                                                | _ Linearität +/-0,25% v. EW max                                     |
| _ Temperature sensitivity (zero point) +/-0,02% FS/C° max                  | _ TK-Nullpunkt +/-0,02% v. EW/C° max                                |
| _ Minimum load for analog output 1000 Ohm (24 V = 600 Ohm) see chart       | _ Bürde für Analogausgang 1000 Ohm (24 V = 600 Ohm) siehe Diagramm  |
| _ Shock resistance 100 g/11 msec according to IEC 60068-2-6                | _ Schockfestigkeit 100 g/11 msec nach IEC 60068-2-6                 |
| _ Vibration resistance 20 g max at 10...2000 Hz according to IEC 60068-2-6 | _ Vibrationsfestigkeit 20 g max bei 10...2000 Hz nach IEC 60068-2-6 |
| _ CE-Conformity according to EC directive 2014/30/EU                       | _ CE-Konformität gemäß Richtlinie 2014/30/EU                        |

PRESSURE RANGES

MESSEBEREICHE

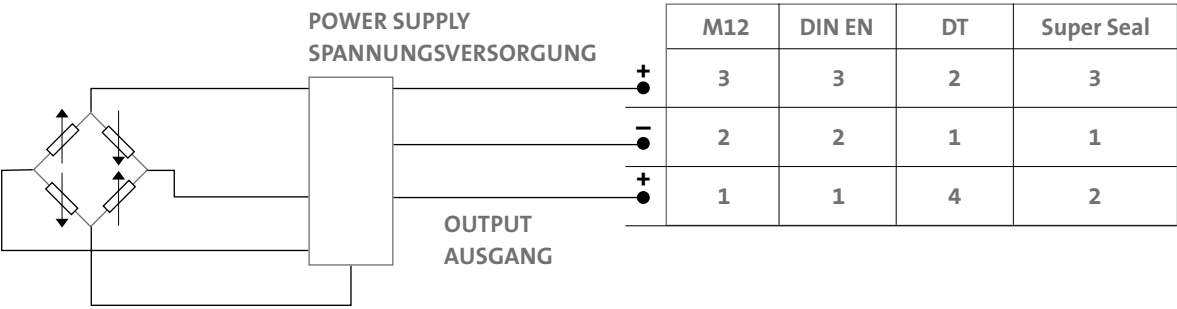
| RANGE (BAR)<br>MESSBEREICHE (BAR)        | 4  | 6  | 10 | 16 | 20 | 25  | 40  | 60  | 100 | 160 | 200 | 250  | 400  | 600  | 1000 |
|------------------------------------------|----|----|----|----|----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| OVERPRESSURE (BAR)<br>ÜBERDRUCK (BAR)    | 8  | 12 | 20 | 32 | 40 | 50  | 80  | 120 | 200 | 320 | 400 | 500  | 800  | 1200 | 1200 |
| BURST PRESSURE (BAR)<br>BERSTDRUCK (BAR) | 16 | 24 | 40 | 64 | 80 | 100 | 160 | 240 | 400 | 640 | 800 | 1000 | 1500 | 1500 | 1500 |

ELECTRICAL CONNECTION/CONNECTION DIAGRAMS

ELEKTRISCHE ANSCHLÜSSE/ANSCHLUSSBILDER

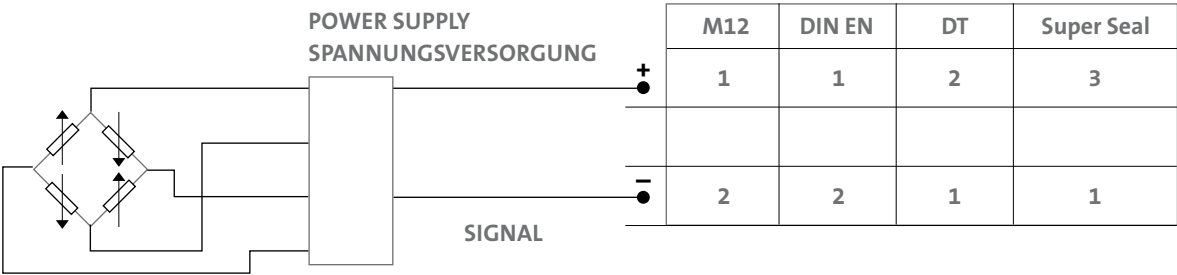
VOLTAGE AMPLIFIED OUTPUT

VERSTÄRKTER SPANNUNGSAusGANG



CURRENT AMPLIFIED OUTPUT

VERSTÄRKTER STROMAusGANG

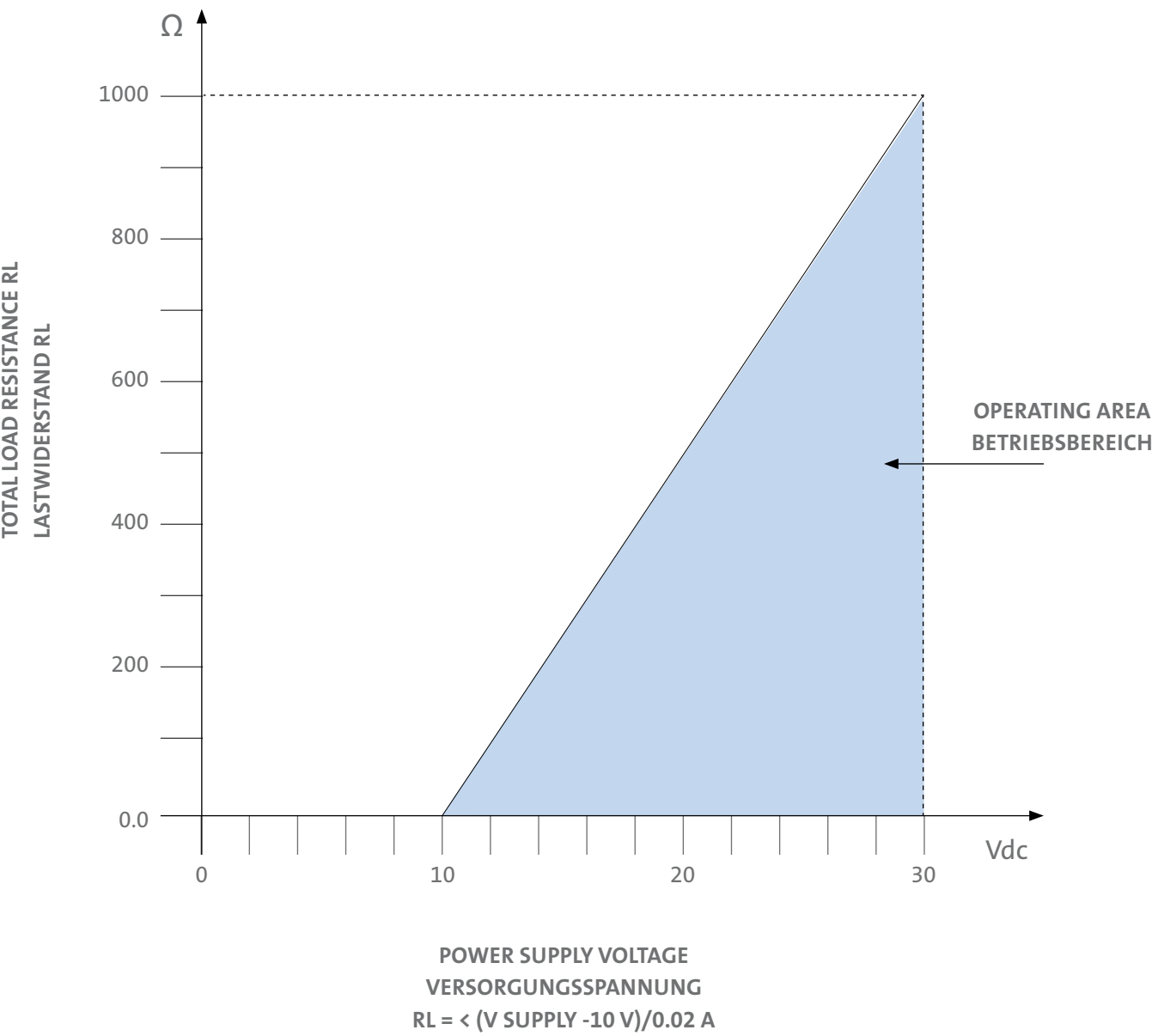


LOAD DIAGRAM

LASTDIAGRAMM

CURRENT OUTPUT

STROMAusGANG



ORDER CODE/BESTELLNUMMERN

PRESSURE SWITCH/DRUCKSCHALTER (S. 30 – 35)

PRESSURE SWITCH/ALLFLUID -14,5 – 5800 PSI

DRUCKSCHALTER/ALLFLUID -1 – 400 BAR



| Measuring range                                                   | Part No.    |
|-------------------------------------------------------------------|-------------|
| Messbereich                                                       | Artikel Nr. |
| - 14,5 to 130 psi/- 1 bis 9 bar                                   | 412009      |
| 0 to 232 psi/0 bis 16 bar                                         | 412016      |
| 0 to 1450 psi/0 bis 100 bar                                       | 412100      |
| 0 to 3625 psi/0 bis 250 bar                                       | 412250      |
| 0 to 5800 psi/0 bis 400 bar                                       | 412400      |
| Other pressure ranges on request/Andere Druckbereiche auf Anfrage |             |

PRESSURE SWITCH-TRANSMITTER/ALLFLUID -14,5 – 5800 PSI

DRUCKSCHALTER-TRANSMITTER/ALLFLUID -1 – 400 BAR



| Measuring range                                                   | Part No.    |
|-------------------------------------------------------------------|-------------|
| Messbereich                                                       | Artikel Nr. |
| - 14,5 to 130 psi/- 1 bis 9 bar                                   | 422009      |
| 0 to 232 psi/0 bis 16 bar                                         | 422016      |
| 0 to 1450 psi/0 bis 100 bar                                       | 422100      |
| 0 to 3625 psi/0 bis 250 bar                                       | 422250      |
| 0 to 5800 psi/0 bis 400 bar                                       | 422400      |
| Other pressure ranges on request/Andere Druckbereiche auf Anfrage |             |

PRESSURE TRANSMITTER-EPT/DEUTSCH DT/0 TO 5800 PSI

DRUCKTRANSMITTER-EPT/DEUTSCH DT/4 BIS 1000 BAR



| Measuring range                | Part No.    |
|--------------------------------|-------------|
| Messbereich                    | Artikel Nr. |
| 58 to 232 psi/4 bis 16 bar     | 434016      |
| 58 to 580 psi/4 bis 40 bar     | 434040      |
| 58 to 1450 psi/4 bis 100 bar   | 434100      |
| 58 to 3625 psi/4 bis 250 bar   | 434250      |
| 58 to 5800 psi/4 bis 400 bar   | 434400      |
| 58 to 8700 psi/4 bis 600 bar   | 434600      |
| 58 to 14500 psi/4 bis 1000 bar | 434999      |

PRESSURE TRANSMITTER-EPT/AMP SUPER SEAL/0 TO 5800 PSI

DRUCKTRANSMITTER-EPT/AMP SUPER SEAL/4 BIS 1000 BAR



| Measuring range                | Part No.    |
|--------------------------------|-------------|
| Messbereich                    | Artikel Nr. |
| 58 to 232 psi/4 bis 16 bar     | 436016      |
| 58 to 580 psi/4 bis 40 bar     | 436040      |
| 58 to 1450 psi/4 bis 100 bar   | 436100      |
| 58 to 3625 psi/4 bis 250 bar   | 436250      |
| 58 to 5800 psi/4 bis 400 bar   | 436400      |
| 58 to 8700 psi/4 bis 600 bar   | 436600      |
| 58 to 14500 psi/4 bis 1000 bar | 436999      |

PRESSURE TRANSMITTER-EPT/DIN EN 175301-803/0 TO 5800 PSI

DRUCKTRANSMITTER-EPT/DIN EN 175301-803/4 BIS 1000 BAR



| Measuring range                | Part No.    |
|--------------------------------|-------------|
| Messbereich                    | Artikel Nr. |
| 58 to 232 psi/4 bis 16 bar     | 435016      |
| 58 to 580 psi/4 bis 40 bar     | 435040      |
| 58 to 1450 psi/4 bis 100 bar   | 435100      |
| 58 to 3625 psi/4 bis 250 bar   | 435250      |
| 58 to 5800 psi/4 bis 400 bar   | 435400      |
| 58 to 8700 psi/4 bis 600 bar   | 435600      |
| 58 to 14500 psi/4 bis 1000 bar | 435999      |

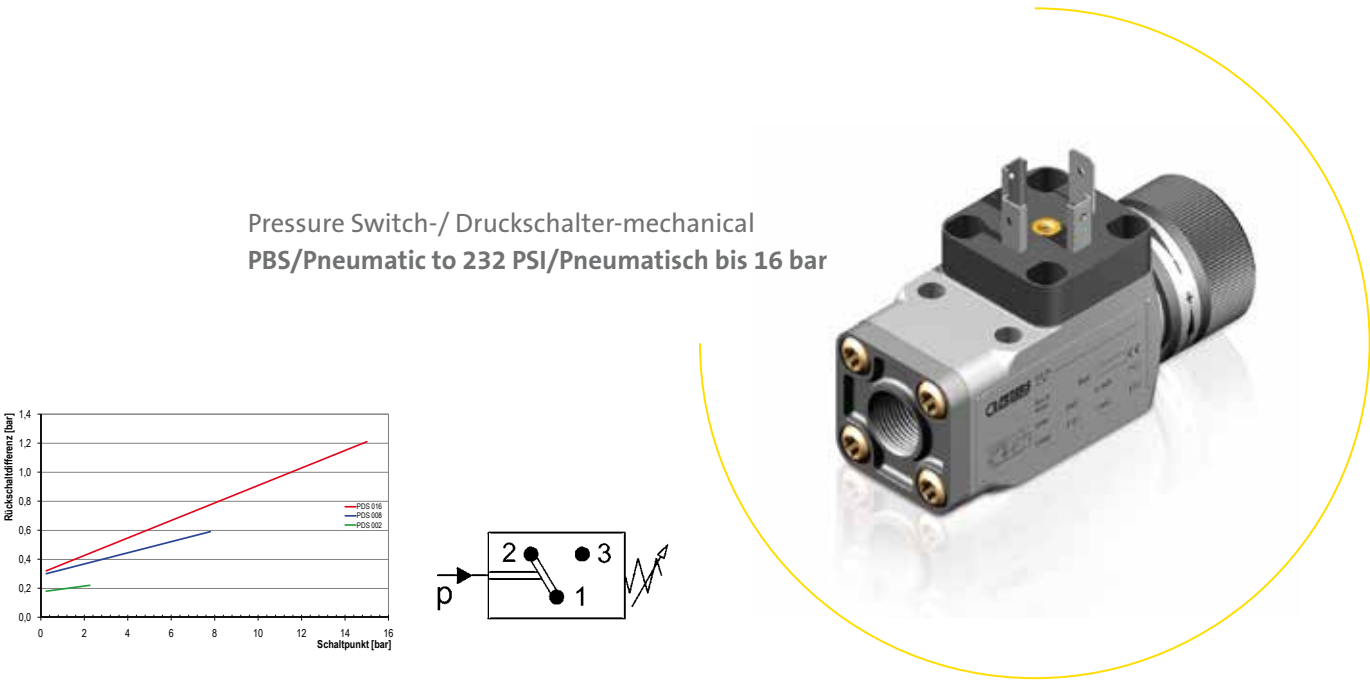
PRESSURE TRANSMITTER-EPT/M12/0 TO 5800 PSI

DRUCKTRANSMITTER-EPT/M12/4 BIS 1000 BAR



| Measuring range                | Part No.    |
|--------------------------------|-------------|
| Messbereich                    | Artikel Nr. |
| 58 to 232 psi/4 bis 16 bar     | 432016      |
| 58 to 580 psi/4 bis 40 bar     | 432040      |
| 58 to 1450 psi/4 bis 100 bar   | 432100      |
| 58 to 3625 psi/4 bis 250 bar   | 432250      |
| 58 to 5800 psi/4 bis 400 bar   | 432400      |
| 58 to 8700 psi/4 bis 600 bar   | 432600      |
| 58 to 14500 psi/4 bis 1000 bar | 432999      |

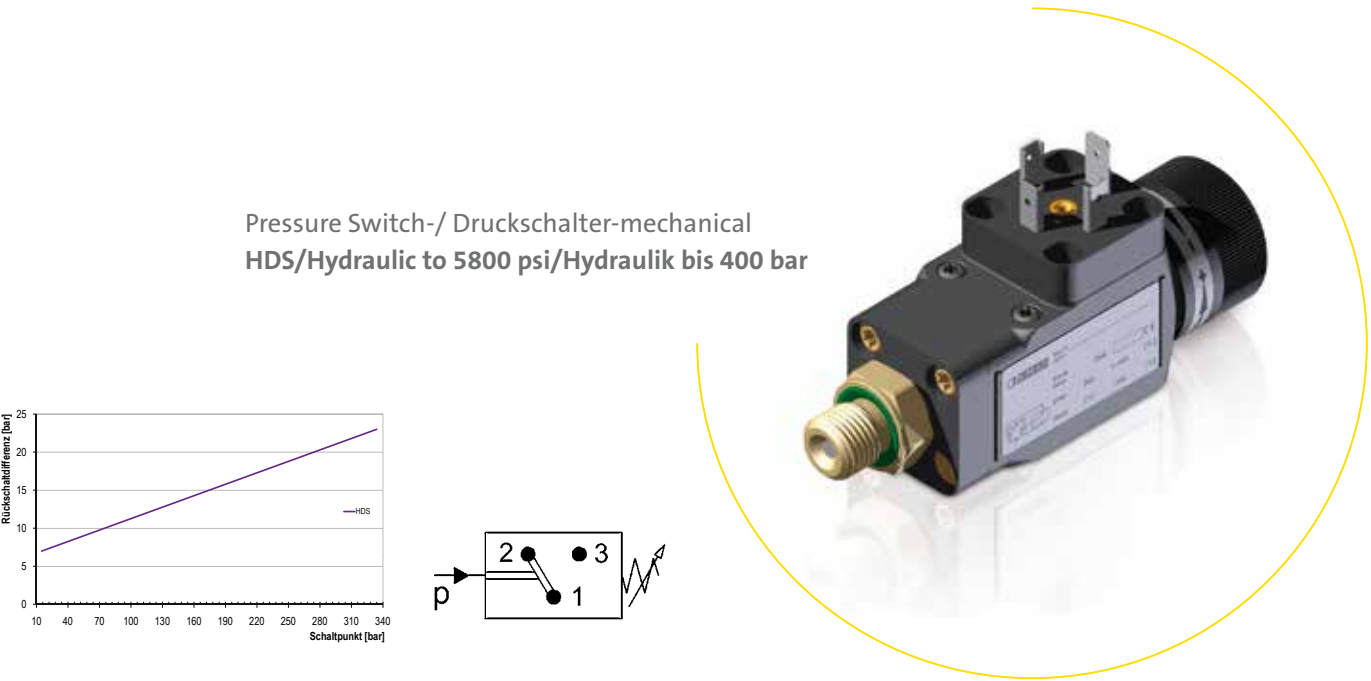
**PRESSURE SWITCH-MECHANICAL/PBS/PNEUMATIC TO 232 PSI**  
**DRUCKSCHALTER-MECHANISCH/PBS/PNEUMATISCH BIS 16 BAR**



**DETAILS**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>_ Operating fluid <b>Neutral gaseous and liquid fluids</b></li><li>_ Mounting method <b>2 x drill-hole Ø 5,2 mm</b></li><li>_ Fluid connection <b>G1/4" female thread , NPT 1/4" or flange</b></li><li>_ Environmental temperature <b>-10 °C to +80 °C</b></li><li>_ Maximum pressure <b>290 psi</b></li><li>_ Operating pressure range <b>0,2 to 2/0,5 to 8/1 to 16 bar</b></li><li>_ Repeatability <b>&lt; 2% of max. pressure range FS</b></li><li>_ Differential reset <b>see diagram</b></li><li>_ Max. switching frequency <b>200/min</b></li><li>_ Vibration resistance <b>10 g (10 to 2000 Hz)</b></li><li>_ Shock resistance <b>30 g</b></li><li>_ Electrical connection <b>DIN 43650-A (EN 175301-803)</b></li><li>_ Switching element <b>toggle switch with control unit</b></li><li>_ Operating cycles <b>&gt; 2 x 10<sup>6</sup></b></li><li>_ Operating voltage/current <b>AC 12: 4 A/250 VAC ; AC14: 1 A/250 VAC</b><br/><b>DC 12: 3 A/28 VDC ; DC14: 4 A/28 VDC</b></li><li>_ Degree of protection <b>IP65</b></li><li>_ Material <b>Housing: Pressure die-cast, knob: Alu</b></li><li>_ Seals <b>Perbunan</b></li><li>_ Weight <b>~ 0,295 kg</b></li></ul> | <ul style="list-style-type: none"><li>_ Betriebsfluid <b>Druckluft, 50 µm gefiltert</b></li><li>_ Befestigungsart <b>2 x Bohrung im Gehäuse, Ø 5,2 mm</b></li><li>_ Anschluss fluidisch <b>Innengewinde G1/4", NPT 1/4", Flansch</b></li><li>_ Umgebungstemperatur <b>-10 °C bis +80 °C</b></li><li>_ Betriebsdruck max. <b>20 bar</b></li><li>_ Druckeinstellbereich <b>0,2 bis 2/0,5 bis 8/1 bis 16 bar</b></li><li>_ Wiederholgenauigkeit <b>&lt; 2% Bereichsendwert bezogen</b></li><li>_ Rückschaltdifferenz s. <b>Diagramm Rückschaltdifferenz</b></li><li>_ Max. Schalthäufigkeit <b>200/min</b></li><li>_ Vibrationsfestigkeit <b>10 g (10 bis 2000 Hz)</b></li><li>_ Schockfestigkeit <b>30 g</b></li><li>_ Anschluss elektrisch <b>DIN 43650-A (EN 175301-803)</b></li><li>_ Schaltelement <b>Wechselschalter mit Schaltwerk</b></li><li>_ Lebensdauer <b>&gt; 2 x 10<sup>6</sup></b></li><li>_ Betriebsstrom/-spannung <b>AC 12: 4 A/250 VAC ; AC14: 1 A/250 VAC</b><br/><b>DC 12: 3 A/28 VDC ; DC14: 4 A/28 VDC</b></li><li>_ Schutzart nach <b>EN 60529 IP65</b></li><li>_ Material <b>Gehäuse: Zinkdruckguss, Knopf: Alu</b></li><li>_ Dichtungen <b>Perbunan</b></li><li>_ Masse <b>~ 0,295 kg</b></li></ul> |
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**PRESSURE SWITCH-MECHANICAL/HDS/HYDRAULIC TO 5800 PSI**  
**DRUCKSCHALTER-MECHANISCH/HDS/HYDRAULIK BIS 400 BAR**



**DETAILS**

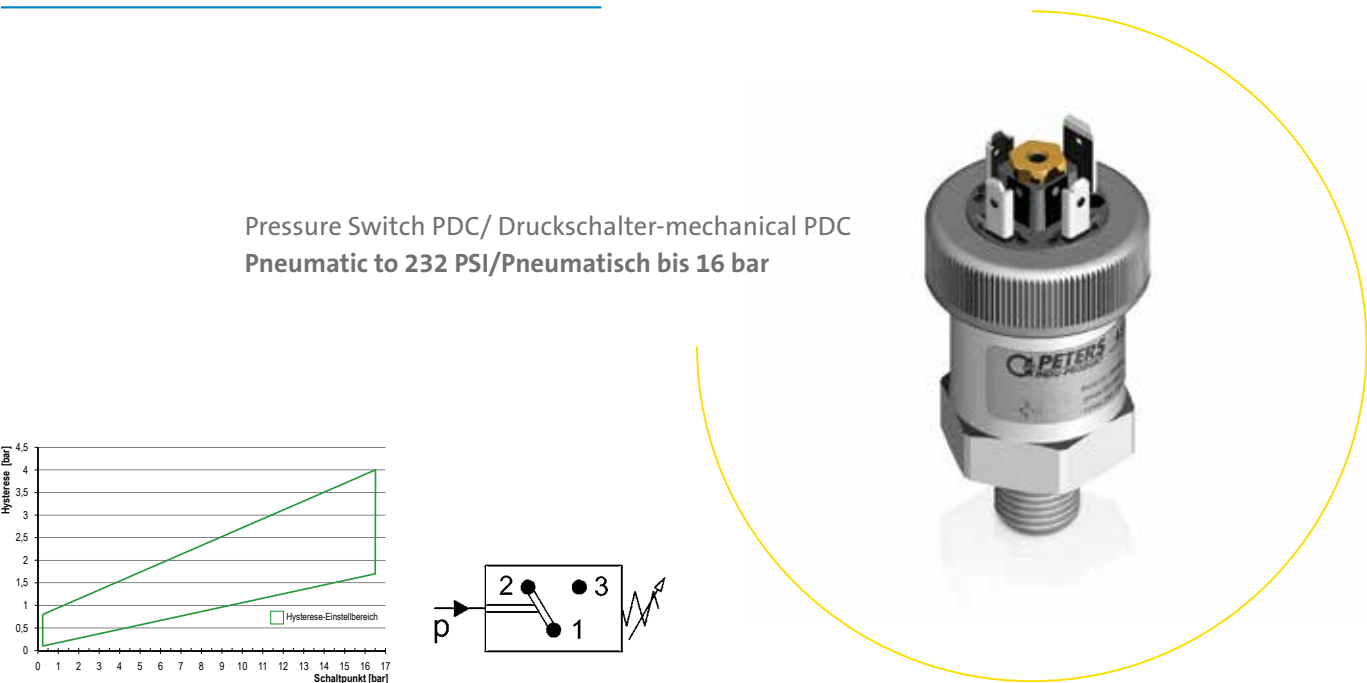
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>_ Operating fluid <b>self-lubricating fluid</b></li><li>_ Fluid connection <b>G1/4" optional flange DIN ISO 16873</b></li><li>_ Environmental temperature <b>-30 °C to +80 °C</b></li><li>_ Fluid temperature <b>max. +80 °C</b></li><li>_ Maximum pressure <b>5075 psi (flange horizontal 3625 bar)</b></li><li>_ Cracking pressure <b>&gt; 8700 psi</b></li><li>_ Operating pressure range <b>10-30; 10-80; 10-120; 20-200; 20-320 bar</b></li><li>_ Repeatability <b>&lt; 2% of max. pressure range FS</b></li><li>_ Differential reset <b>see diagram</b></li><li>_ Vibration resistance <b>10 g (10 to 2000 Hz)</b></li><li>_ Shock resistance <b>30 g</b></li><li>_ Electrical connection <b>DIN 43650-A (EN 175301-803)</b></li><li>_ Switching element <b>toggle switch with control unit</b></li><li>_ Operating cycles <b>&gt; 2 x 10<sup>6</sup></b></li><li>_ Operating voltage/current <b>AC 12: 4 A/250 VAC ; AC14: 1 A/250 VAC</b><br/><b>DC 12: 3 A/28 VDC ; DC14: 4 A/28 VDC</b></li><li>_ Degree of protection <b>IP65</b></li><li>_ Material <b>Housing: Pressure die-cast, knob: Alu</b></li><li>_ Seals <b>dynamic: PTFE; static: NBR</b></li><li>_ Weight <b>~ 0,325 kg</b></li></ul> | <ul style="list-style-type: none"><li>_ Betriebsfluid <b>selbstschmierende Fluide</b></li><li>_ Anschluss fluidisch <b>G1/4" optional Flansch DIN ISO 16873</b></li><li>_ Umgebungstemperatur <b>-30 °C bis +80 °C</b></li><li>_ Fluidtemperatur <b>max. +80 °C</b></li><li>_ Betriebsdruck max. <b>350 bar (Flansch horizontal 250 bar)</b></li><li>_ Berstdruck max. <b>&gt; 600 bar</b></li><li>_ Druckeinstellbereich <b>10-30; 10-80; 10-120; 20-200; 20-320 bar</b></li><li>_ Wiederholgenauigkeit <b>&lt; 2% Bereichsendwert bezogen</b></li><li>_ Rückschaltdifferenz s. <b>Diagramm Rückschaltdifferenz</b></li><li>_ Vibrationsfestigkeit <b>10 g (10 bis 2000 Hz)</b></li><li>_ Schockfestigkeit <b>30 g</b></li><li>_ Anschluss elektrisch <b>DIN 43650-A (EN 175301-803)</b></li><li>_ Schaltelement <b>Wechselschalter mit Schaltwerk</b></li><li>_ Lebensdauer <b>&gt; 2 x 10<sup>6</sup></b></li><li>_ Betriebsstrom/-spannung <b>AC 12: 4 A/250 VAC ; AC14: 1 A/250 VAC</b><br/><b>DC 12: 3 A/28 VDC ; DC14: 4 A/28 VDC</b></li><li>_ Schutzart nach <b>EN 60529 IP65</b></li><li>_ Material <b>Gehäuse: Zinkdruckguss, Knopf: Alu</b></li><li>_ Dichtungen <b>dynamisch: PTFE; statisch: NBR</b></li><li>_ Masse <b>~ 0,325 kg</b></li></ul> |
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PRESSURE SWITCH PDC – ADJUSTABLE HYSTERISIS

PNEUMATIC TO 232 PSI

DRUCKSCHALTER PDC – HYSTERESE EINSTELLBAR

PNEUMATISCH BIS 16 BAR



DETAILS

- \_ Operating fluid **Neutral gaseous and liquid fluids**
- \_ Fluid connection **G1/4"**
- \_ Environmental temperature **–20 °C to +80 °C**
- \_ Fluid temperature **max. +80 °C**
- \_ Maximum pressure **870 psi**
- \_ Operating pressure range **0,2 to 2/0,5 to 8/1 to 16 bar**
- \_ Repeatability **< 2% of max. pressure range FS**
- \_ Differential reset **see diagram**
- \_ Vibration resistance **10 g (10 to 2000 Hz)**
- \_ Shock resistance **30 g**
- \_ Electrical connection **DIN 43650-A (EN 175301-803)**
- \_ Switching element **toggle switch**
- \_ Operating voltage/current  
**AC 12: 4 A/250 VAC; AC14: 1 A/250 VAC**  
**DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC**
- \_ Degree of protection **IP65**
- \_ Material **Housing: galvanized steel**
- \_ Seals **dynamic: PTFE; static: NBR**
- \_ Weight **~ 0,1 kg**

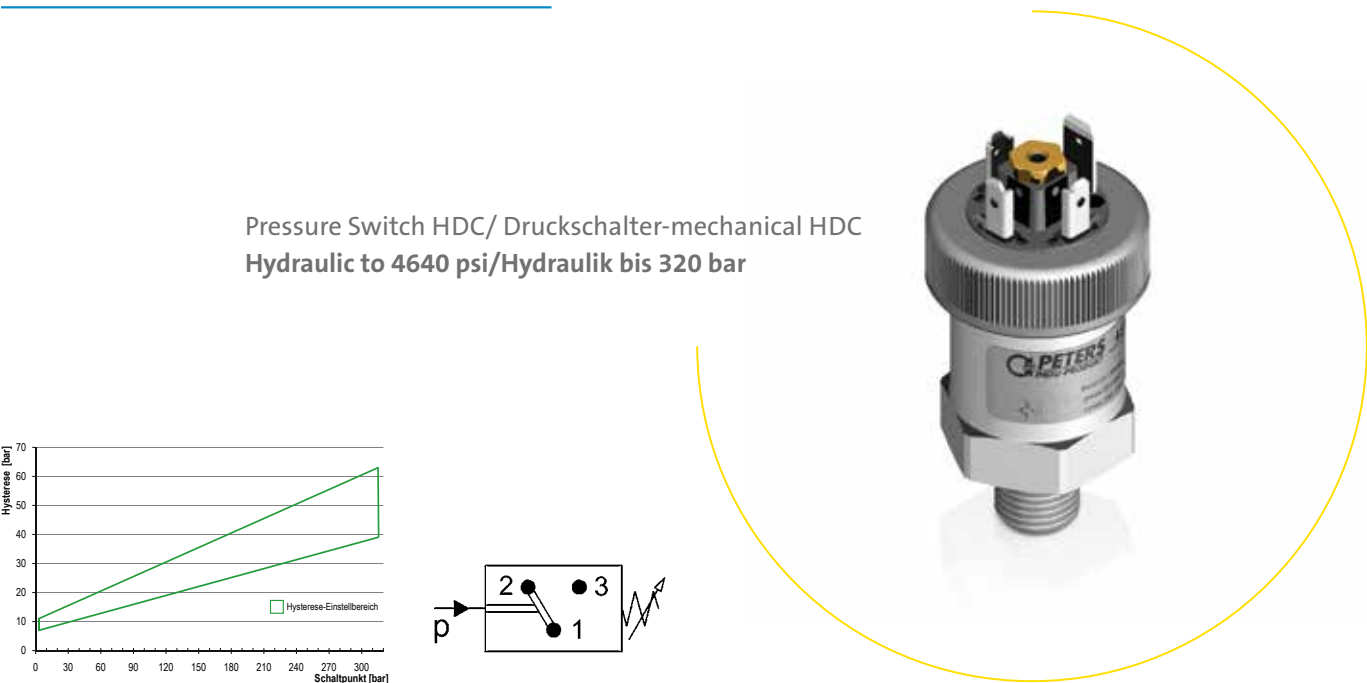
- \_ Betriebsfluid **Druckluft, neutrale Fluide**
- \_ Anschluss fluidisch **G1/4"**
- \_ Umgebungstemperatur **–20 °C bis +80 °C**
- \_ Fluidtemperatur **max. +80 °C**
- \_ Betriebsdruck **max. 60 bar**
- \_ Druckeinstellbereich **0,2 bis 2/0,5 bis 8/1 bis 16 bar**
- \_ Wiederholgenauigkeit **< 2% Bereichsendwert bezogen**
- \_ Rückschaltdifferenz **s. Diagramm Rückschaltdifferenz**
- \_ Vibrationsfestigkeit **10 g (10 bis 2000 Hz)**
- \_ Schockfestigkeit **30 g**
- \_ Anschluss elektrisch **DIN 43650-A (EN 175301-803)**
- \_ Schaltelement **Wechselschalter**
- \_ Betriebsstrom/-spannung  
**AC 12: 4 A/250 VAC; AC14: 1 A/250 VAC**  
**DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC**
- \_ Schutzart nach **EN 60529 IP65**
- \_ Material **Gehäuse: Stahl verzinkt**
- \_ Dichtungen **dynamisch: PTFE; statisch: NBR**
- \_ Masse **~ 0,1 kg**

PRESSURE SWITCH HDC – ADJUSTABLE HYSTERISIS

HYDRAULIC TO 4640 PSI

DRUCKSCHALTER HDC – HYSTERESE EINSTELLBAR

HYDRAULIK BIS 320 BAR



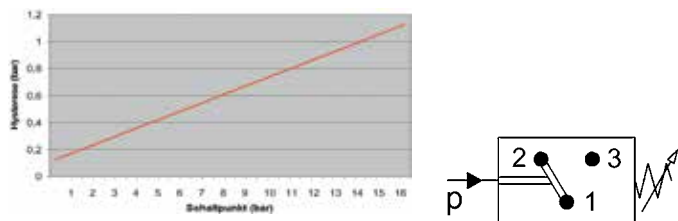
DETAILS

- \_ Operating fluid **self-lubricating fluid**
- \_ Fluid connection **G1/4"**
- \_ Environmental temperature **–20 °C to +80 °C**
- \_ Fluid temperature **max. +80 °C**
- \_ Maximum pressure **5075 psi**
- \_ Operating pressure range  
**10 to 80; 10 to 120; 20 to 250; 20 to 320 bar**
- \_ Repeatability **< 2% of max. pressure range FS**
- \_ Differential reset **see diagram**
- \_ Vibration resistance **10 g (10 to 2000 Hz)**
- \_ Shock resistance **30 g**
- \_ Electrical connection **DIN 43650-A (EN 175301-803)**
- \_ Switching element **toggle switch**
- \_ Operating voltage/current  
**AC 12: 4 A/250 VAC; AC14: 1 A/250 VAC**  
**DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC**
- \_ Degree of protection **IP65**
- \_ Material **Housing: galvanized steel**
- \_ Seals **dynamic: PTFE; static: NBR**
- \_ Weight **~ 0,1 kg**

- \_ Betriebsfluid **selbstschmierende Fluide**
- \_ Anschluss fluidisch **G1/4"**
- \_ Umgebungstemperatur **–20 °C bis +80 °C**
- \_ Fluidtemperatur **max. +80 °C**
- \_ Betriebsdruck **max. 350 bar**
- \_ Druckeinstellbereich  
**10 to 80; 10 to 120; 20 to 250; 20 to 320 bar**
- \_ Wiederholgenauigkeit **< 2% Bereichsendwert bezogen**
- \_ Rückschaltdifferenz **s. Diagramm Rückschaltdifferenz**
- \_ Vibrationsfestigkeit **10 g (10 bis 2000 Hz)**
- \_ Schockfestigkeit **30 g**
- \_ Anschluss elektrisch **DIN 43650-A (EN 175301-803)**
- \_ Schaltelement **Wechselschalter**
- \_ Betriebsstrom/-spannung  
**AC 12: 4 A/250 VAC; AC14: 1 A/250 VAC**  
**DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC**
- \_ Schutzart nach **EN 60529 IP65**
- \_ Material **Gehäuse: Stahl verzinkt**
- \_ Dichtungen **dynamisch: PTFE; statisch: NBR**
- \_ Masse **~ 0,1 kg**

PRESSURE SWITCH DL/PNEUMATIC TO 232 PSI  
DRUCKSCHALTER DL/PNEUMATISCH BIS 16 BAR

Pressure Switch DL/ Druckschalter DL  
Pneumatic to 232 PSI/Pneumatisch bis 16 bar



DETAILS

- \_ Operating fluid **Neutral gaseous and liquid fluids**
- \_ Fluid connection **G1/4"**
- \_ Environmental temperature **-20 °C to +80 °C**
- \_ Fluid temperature **max. +80 °C**
- \_ Maximum pressure **870 psi**
- \_ Operating pressure range  
**-0,85 to 1/0,2 to 2/0,5 to 8/1 to 16 bar**
- \_ Repeatability **< 2% of max. pressure range FS**
- \_ Differential reset **see diagram**
- \_ Vibration resistance **10 g (10 to 2000 Hz)**
- \_ Shock resistance **30 g**
- \_ Electrical connection **M12 (DIN IEC 61076-2-101)**
- \_ Switching element **toggle switch**
- \_ Operating voltage/current  
**AC 12: 4 A/50 VAC; AC14: 1 A/50 VAC**  
**DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC**
- \_ Degree of protection **IP68**
- \_ Material **Housing: galvanized steel**
- \_ Seals **Perbunan**
- \_ Weight **~ 0,1 kg**

- \_ Betriebsfluid **Druckluft, neutrale Fluide**
- \_ Anschluss fluidisch **G1/4"**
- \_ Umgebungstemperatur **-20 °C bis +80 °C**
- \_ Fluidtemperatur **max. +80 °C**
- \_ Betriebsdruck **max. 60 bar**
- \_ Druckeinstellbereich  
**-0,85 bis 1/0,2 bis 2/0,5 bis 8/1 bis 16 bar**
- \_ Wiederholgenauigkeit **< 2% Bereichsendwert bezogen**
- \_ Rückschaltdifferenz **s. Diagramm Rückschaltdifferenz**
- \_ Vibrationsfestigkeit **10 g (10 bis 2000 Hz)**
- \_ Schockfestigkeit **30 g**
- \_ Anschluss elektrisch **M12 (DIN IEC 61076-2-101)**
- \_ Schaltelement **Wechselschalter**
- \_ Betriebsstrom/-spannung  
**AC 12: 4 A/50 VAC; AC14: 1 A/50 VAC**  
**DC 12: 2 A/28 VDC; DC14: 0,5 A/28 VDC**
- \_ Schutzart nach **EN 60529 IP68**
- \_ Material **Gehäuse: Stahl verzinkt**
- \_ Dichtungen/Membrane **Perbunan**
- \_ Masse **~ 0,1 kg**

NOTES

Grid area for notes.

ORDER CODE/BESTELLNUMMERN

PRESSURE SWITCH/DRUCKSCHALTER (S. 40 – 44)

PRESSURE SWITCH-MECHANICAL/PBS/PNEUMATIC TO 232 PSI  
DRUCKSCHALTER-MECHANISCH/PBS/PNEUMATISCH BIS 16 BAR



|                                                                   |             |
|-------------------------------------------------------------------|-------------|
| Pressure adjustment range                                         | Part No.    |
| Druckeinstellbereich                                              | Artikel Nr. |
| 7 to 116 psi/0,5 bis 8 bar                                        | 451208      |
| 14,5 to 232 psi/1 bis 16 bar                                      | 451216      |
| Other pressure ranges on request/Andere Druckbereiche auf Anfrage |             |

PRESSURE SWITCH-MECHANICAL/HDS/HYDRAULIC TO 5800 PSI  
DRUCKSCHALTER-MECHANISCH/HDS/HYDRAULIK BIS 400 BAR



|                                                                   |             |
|-------------------------------------------------------------------|-------------|
| Pressure adjustment range                                         | Part No.    |
| Druckeinstellbereich                                              | Artikel Nr. |
| 145 to 1160 psi/10 bis 80 bar                                     | 452708      |
| 145 to 1740 psi/10 bis 120 bar                                    | 452712      |
| 290 to 2900 psi/20 bis 200 bar                                    | 452720      |
| 290 to 4640 psi/20 bis 320 bar                                    | 452732      |
| Other pressure ranges on request/Andere Druckbereiche auf Anfrage |             |

PRESSURE SWITCH PDC – ADJUSTABLE HYSTERISIS/PNEUMATIC TO 232 PSI  
DRUCKSCHALTER PDC – HYSTERESE EINSTELLBAR/PNEUMATISCH BIS 16 BAR



|                                                                   |             |
|-------------------------------------------------------------------|-------------|
| Measuring range                                                   | Part No.    |
| Messbereich                                                       | Artikel Nr. |
| 3 to 29 psi/0,2 bis 2 bar                                         | 453302      |
| 7 to 116 psi/0,5 bis 8 bar                                        | 453308      |
| 14,5 to 232 psi/1 bis 16 bar                                      | 453316      |
| Other pressure ranges on request/Andere Druckbereiche auf Anfrage |             |

PRESSURE SWITCH HDC – ADJUSTABLE HYSTERISIS/HYDRAULIC TO 4640 PSI  
DRUCKSCHALTER HDC – HYSTERESE EINSTELLBAR/HYDRAULIK BIS 320 BAR



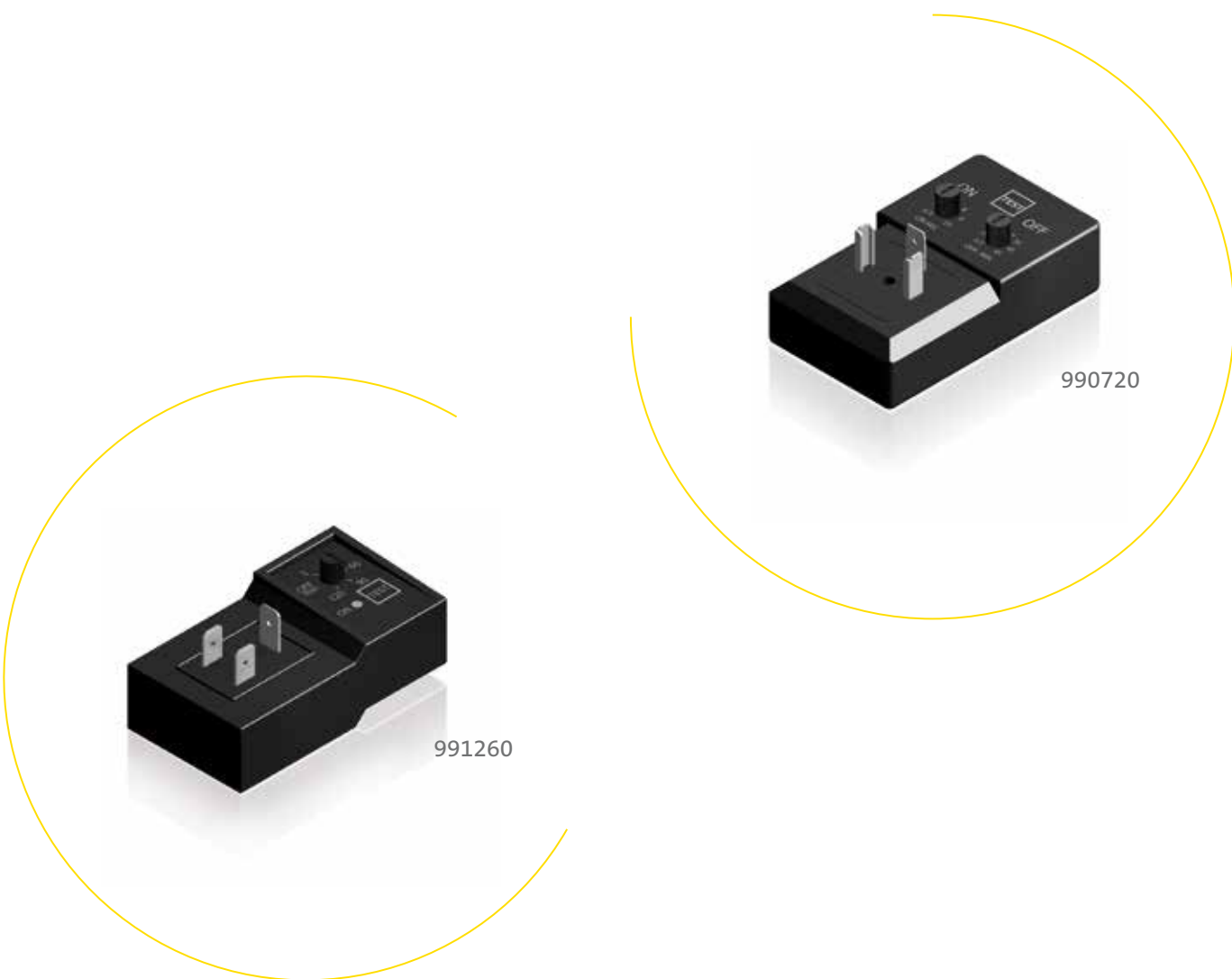
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|-------------------------------------------------------------------|-------------|
| Pressure adjustment range                                         | Part No.    |
| Druckeinstellbereich                                              | Artikel Nr. |
| 145 to 1160 psi/10 bis 80 bar                                     | 454308      |
| 145 to 1740 psi/10 bis 120 bar                                    | 454312      |
| 290 to 2900 psi/20 bis 200 bar                                    | 454320      |
| 290 to 4640 psi/20 bis 320 bar                                    | 454332      |
| Other pressure ranges on request/Andere Druckbereiche auf Anfrage |             |

PRESSURE SWITCH DL/PNEUMATIC TO 232 PSI  
DRUCKSCHALTER DL/PNEUMATISCH BIS 16 BAR



|                                                                   |             |
|-------------------------------------------------------------------|-------------|
| Measuring range                                                   | Part No.    |
| Messbereich                                                       | Artikel Nr. |
| - 12 to 14,5 psi/- 0,85 bis 1 bar                                 | 455301      |
| 3 to 29 psi/0,2 bis 2 bar                                         | 455302      |
| 7 to 116 psi/0,5 bis 8 bar                                        | 455308      |
| 14,5 to 232 psi/1 bis 16 bar                                      | 455316      |
| Other pressure ranges on request/Andere Druckbereiche auf Anfrage |             |

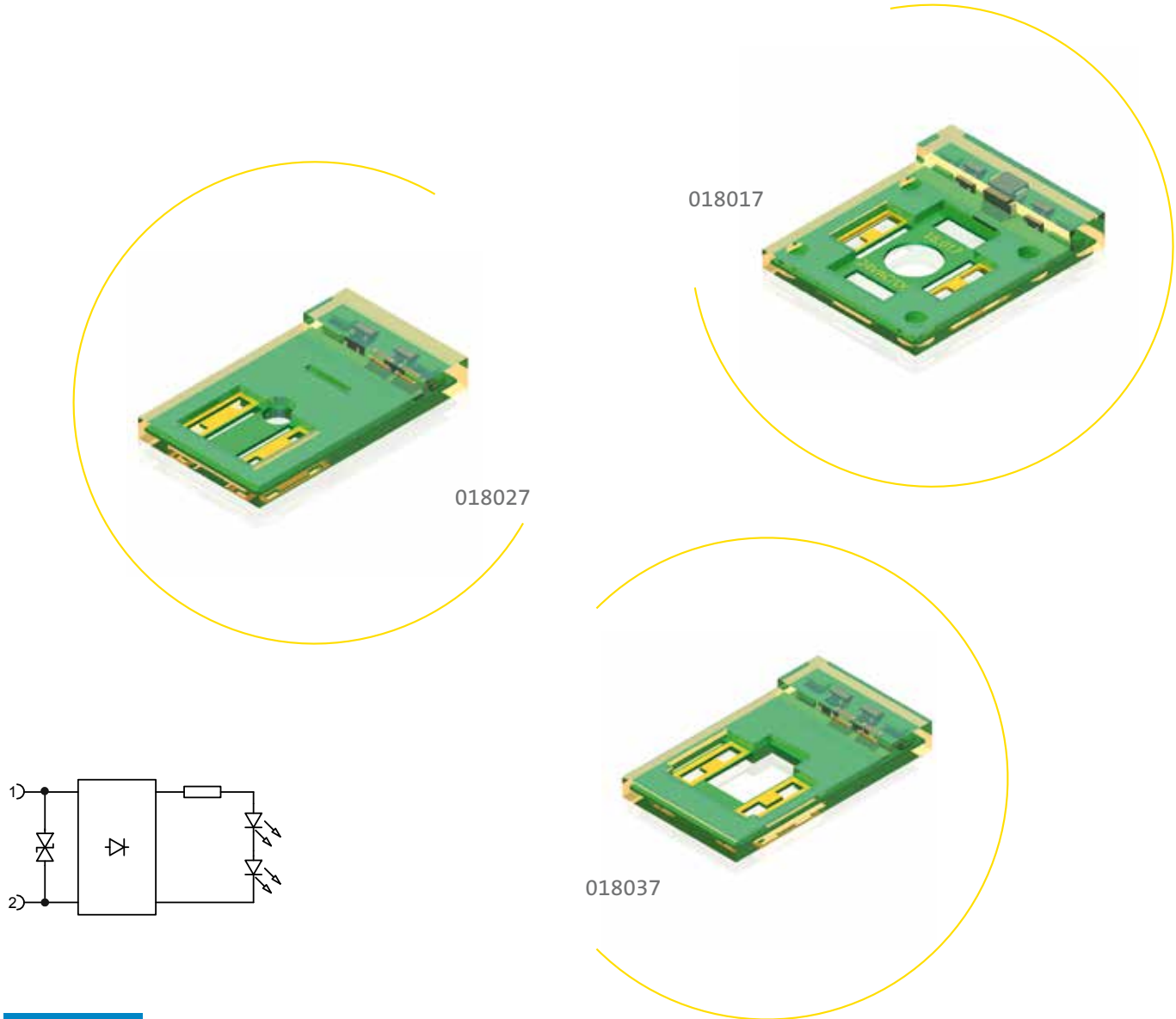
# VALVE TIMER/VENTIL TIMER FORM/BAUFORM A · B-IND.



## DETAILS

|                                                              |                                                                    |
|--------------------------------------------------------------|--------------------------------------------------------------------|
| _ Contact spacing <b>991260: 11 mm, 990720: 18 mm</b>        | _ Kontaktabstand <b>991260: 11 mm, 990720: 18 mm</b>               |
| _ Rated voltage <b>24–240 VAC/DC</b>                         | _ Nennspannung <b>24–240 VAC/DC</b>                                |
| _ Operating current <b>1 A</b>                               | _ Dauerstrom <b>1 A</b>                                            |
| _ On time <b>990720: 0,5-10s, 991260: 2s</b>                 | _ Einschaltdauer <b>990720: 0,5-10s, 991260: 2s</b>                |
| _ Off time<br><b>990720: 0,5-45 min, 991260: 0,5-120 min</b> | _ Ausschaltdauer<br><b>990720: 0,5-45 min, 991260: 0,5-120 min</b> |
| _ Operating indicator <b>LED yellow</b>                      | _ Statusanzeige <b>LED gelb</b>                                    |
| _ Protection class <b>IP65</b>                               | _ Schutzart <b>IP65</b>                                            |
| _ Temperature range <b>–30 °C to +60 °C</b>                  | _ Temperaturbereich <b>–30 °C bis +60 °C</b>                       |

# LIGHT GASKET/LEUCHTDICHTUNG FORM/BAUFORM A · B

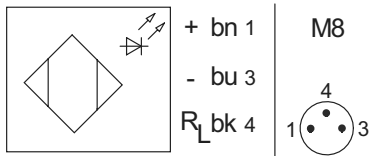


## DETAILS

|                                                           |                                                                     |
|-----------------------------------------------------------|---------------------------------------------------------------------|
| _ Contact spacing form A <b>18 mm</b>                     | _ Kontaktabstand Bauform A <b>18 mm</b>                             |
| _ Contact spacing form B/Ind. <b>11 mm</b>                | _ Kontaktabstand Bauform B/Ind. <b>11 mm</b>                        |
| _ Contact spacing form B/DIN <b>10 mm</b>                 | _ Kontaktabstand Bauform B/DIN <b>10 mm</b>                         |
| _ Rated voltage <b>24 VAC/DC</b>                          | _ Nennspannung <b>24 VAC/DC</b>                                     |
| _ Max. load<br><b>018017: 60 VA, 018027/018037: 20 VA</b> | _ Max. Schaltleistung<br><b>018017: 60 VA, 018027/018037: 20 VA</b> |
| _ Protection circuit <b>Z-Diode</b>                       | _ Schutzbeschaltung <b>Z-Diode</b>                                  |
| _ Operating indicator (2pcs.) <b>LED green</b>            | _ Statusanzeige (2 Stk.) <b>LED grün</b>                            |
| _ Protection class <b>IP65</b>                            | _ Schutzart <b>IP65</b>                                             |
| _ Sealing material <b>Desmopan</b>                        | _ Aussenmaterial <b>Desmopan</b>                                    |
| _ Temperature range <b>–30 °C to +90 °C</b>               | _ Temperaturbereich <b>–30 °C bis +90 °C</b>                        |

SENSOR-TOUCHLESS/TASTER-BERÜHRUNGSLOS  
CAPACITIVE/KAPAZITIV

Sensor-touchless/Taster-berührungslos  
Capacitive/Kapazitiv



DETAILS

|                                                |                                                    |
|------------------------------------------------|----------------------------------------------------|
| _ Rated voltage <b>18 to 32 V</b>              | _ Betriebsspannung <b>18 bis 32 V</b>              |
| _ Switching current <b>0,4 A</b>               | _ Schaltstrom <b>0,4 A</b>                         |
| _ Operating indicator <b>LED yellow/red</b>    | _ Betriebsanzeige <b>LED gelb/rot</b>              |
| _ Housing material <b>PP</b>                   | _ Gehäuse Material <b>PP</b>                       |
| _ Protection class <b>IP67</b>                 | _ Schutzart <b>IP67</b>                            |
| _ Electrical Connection <b>M8/3-poles/male</b> | _ Elektrischer Anschluss <b>M8/3-polig/Stecker</b> |
| _ Measurements <b>50 x 27 x 6,5 mm</b>         | _ Abmessungen <b>50 x 27 x 6,5 mm</b>              |
| _ Temperature range <b>-20 °C to +80 °C</b>    | _ Temperaturbereich <b>-20 °C bis +80 °C</b>       |
| _ Protected against polarity reversal          | _ Verpolungssicher                                 |
| _ Short circuit proof                          | _ Kurzschlußfest                                   |
| _ Direktive 2002/99/EC (RoHS)                  | _ Richtlinie 2002/99/EC (RoHS)                     |

ORDER CODE/BESTELLNUMMERN  
VALVE TIMER/VENTIL TIMER, LIGHT GASKET/LEUCHTDICH-  
TUNG, SENSOR-TOUCHLESS/TASTER-BERÜHRUNGSLOS

VALVE TIMER/ FORM A · B-IND./VENTIL TIMER/BAUFORM A · B-IND.



|           |             |
|-----------|-------------|
| Form      | Part No.    |
| Bauform   | Artikel Nr. |
| A · 18 mm | 990720      |
| B · 11 mm | 991260      |

LIGHT GASKET/ FORM A · B/LEUCHTDICHTUNG/BAUFORM A · B



|           |             |                  |
|-----------|-------------|------------------|
| Form      | Part No.    | Special Feature  |
| Bauform   | Artikel Nr. | Besonderheit     |
| A · 18 mm | 018017      | VW-Mat. 123/3384 |
| B · 11 mm | 018027      |                  |
| B · 10 mm | 018037      | VW-Mat. 123/3387 |

SENSOR-TOUCHLESS/CAPACITIVE/TASTER-BERÜHRUNGSLOS/KAPAZITIV

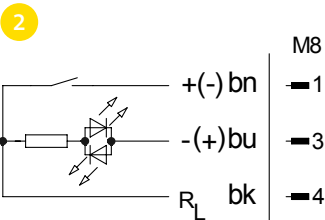
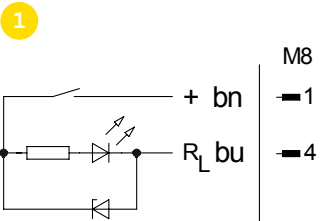
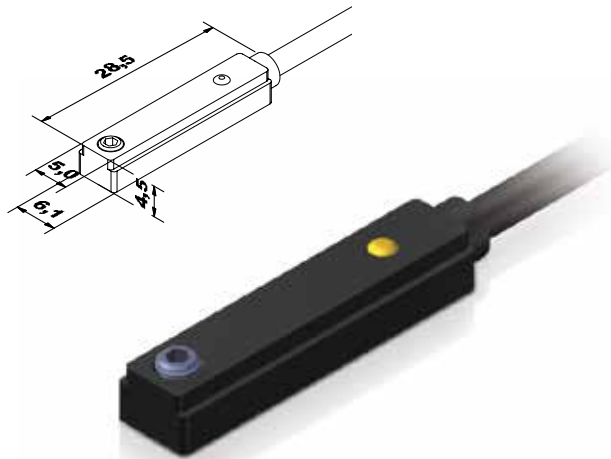


|             |
|-------------|
| Part No.    |
| Artikel Nr. |
| 990949      |

# PROXIMITY SENSORS/ZYLINDER NÄHERUNGSSCHALTER

## REED/REEDKONTAKT

Proximity sensors/Zylinder Näherungsschalter  
Reed/Reedkontakt



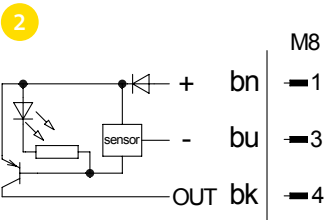
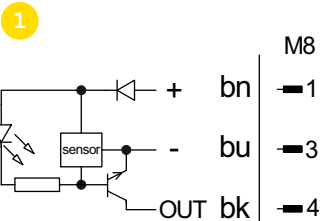
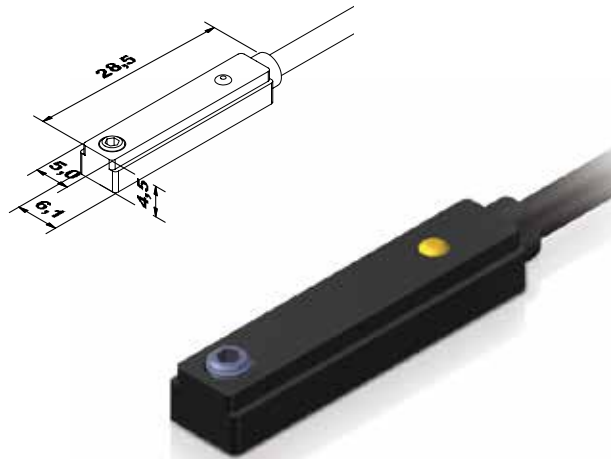
### DETAILS

|                                                                                        |                                                                                         |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| _ Operating voltage (2-wire) <b>10 to 240 VAC (M8: 60 V), 10 to 170 VDC (M8: 75 V)</b> | _ Betriebsspannung (2-Draht) <b>10 bis 240 VAC (M8: 60 V), 10 to 170 VDC (M8: 75 V)</b> |
| _ Operating voltage (3-wire) <b>10 to 30 VAC/DC</b>                                    | _ Betriebsspannung (3-Draht) <b>10 bis 30 VAC/DC</b>                                    |
| _ Switching current <b>300 mA</b>                                                      | _ Schaltstrom <b>300 mA</b>                                                             |
| _ Load <b>max. 8 W</b>                                                                 | _ Schaltleistung <b>max. 8 W</b>                                                        |
| _ Operating indicator <b>LED yellow</b>                                                | _ Betriebsanzeige <b>LED gelb</b>                                                       |
| _ Cable <b>PUR 2 (3) x 0,14 mm²</b>                                                    | _ Anschlußleitung <b>PUR 2 (3) x 0,14 mm²</b>                                           |
| _ Protection class <b>IP67</b>                                                         | _ Schutzart <b>IP67</b>                                                                 |
| _ Housing material <b>PA</b>                                                           | _ Gehäusematerial <b>PA</b>                                                             |
| _ Measurements <b>5,0/6,1 x 4,5 x 28,5 mm</b>                                          | _ Abmessungen <b>5,0/6,1 x 4,5 x 28,5 mm</b>                                            |
| _ Locking system <b>screw</b>                                                          | _ Befestigung <b>Schraube</b>                                                           |
| _ Temperature range <b>-20 °C to +80 °C</b>                                            | _ Temperaturbereich <b>-20 °C bis +80 °C</b>                                            |

# PROXIMITY SENSORS/ZYLINDER NÄHERUNGSSCHALTER

## GMR

Proximity sensors/Zylinder Näherungsschalter  
GMR



### DETAILS

|                                               |                                              |
|-----------------------------------------------|----------------------------------------------|
| _ Operating voltage <b>5 to 30 VDC</b>        | _ Betriebsspannung <b>5 bis 30 VDC</b>       |
| _ Switching current <b>max. 200 mA</b>        | _ Schaltstrom <b>max. 200 mA</b>             |
| _ Load <b>max. 5 W</b>                        | _ Schaltleistung <b>max. 5 W</b>             |
| _ Operating indicator <b>LED yellow</b>       | _ Betriebsanzeige <b>LED gelb</b>            |
| _ Cable <b>PUR 3 x 0,14 mm²</b>               | _ Anschlußleitung <b>PUR 3 x 0,14 mm²</b>    |
| _ Protection class <b>IP67</b>                | _ Schutzart <b>IP67</b>                      |
| _ Housing material <b>PA</b>                  | _ Gehäusematerial <b>PA</b>                  |
| _ Measurements <b>5,0/6,1 x 4,5 x 28,5 mm</b> | _ Abmessungen <b>5,0/6,1 x 4,5 x 28,5 mm</b> |
| _ Locking system <b>screw</b>                 | _ Befestigung <b>Schraube</b>                |
| _ Temperature range <b>-20 °C to +70 °C</b>   | _ Temperaturbereich <b>-20 °C bis +70 °C</b> |

# PROXIMITY SENSORS TOP MOUNT/ ZYLINDER NÄHERUNGSSCHALTER TOP MOUNT REED/REEDKONTAKT

1

M8

1

bn

+

4

bu

RL

2

M8

1

bn

+(-)

3

bu

-(+)

4

bk

RL

## DETAILS

|                                                                                        |                                                                                         |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| _ Operating voltage (2-wire) <b>10 to 240 VAC (M8: 60 V), 10 to 170 VDC (M8: 75 V)</b> | _ Betriebsspannung (2-Draht) <b>10 bis 240 VAC (M8: 60 V), 10 to 170 VDC (M8: 75 V)</b> |
| _ Operating voltage (3-wire) <b>10 to 30 VAC/DC</b>                                    | _ Betriebsspannung (3-Draht) <b>10 bis 30 VAC/DC</b>                                    |
| _ Switching current <b>300 mA</b>                                                      | _ Schaltstrom <b>300 mA</b>                                                             |
| _ Load <b>max. 8 W</b>                                                                 | _ Schaltleistung <b>max. 8 W</b>                                                        |
| _ Operating indicator <b>LED yellow</b>                                                | _ Betriebsanzeige <b>LED gelb</b>                                                       |
| _ Cable <b>PUR 2 (3) x 0,14 mm²</b>                                                    | _ Anschlußleitung <b>PUR 2 (3) x 0,14 mm²</b>                                           |
| _ Protection class <b>IP67</b>                                                         | _ Schutzart <b>IP67</b>                                                                 |
| _ Housing material <b>PA</b>                                                           | _ Gehäusematerial <b>PA</b>                                                             |
| _ Measurements <b>4,4/6,2 x 4,6 x 30,5 mm</b>                                          | _ Abmessungen <b>4,4/6,2 x 4,6 x 30,5 mm</b>                                            |
| _ Locking system <b>screw</b>                                                          | _ Befestigung <b>Schraube</b>                                                           |
| _ Temperature range <b>-20 °C to +80 °C</b>                                            | _ Temperaturbereich <b>-20 °C bis +80 °C</b>                                            |

# PROXIMITY SENSORS TOP MOUNT/ ZYLINDER NÄHERUNGSSCHALTER TOP MOUNT GMR

1

M8

1

bn

+

4

bu

RL

2

M8

1

bn

+

3

bu

-

4

bk

OUT

## DETAILS

|                                               |                                              |
|-----------------------------------------------|----------------------------------------------|
| _ Operating voltage <b>5 to 30 VDC</b>        | _ Betriebsspannung <b>5 bis 30 VDC</b>       |
| _ Switching current <b>max. 200 mA</b>        | _ Schaltstrom <b>max. 200 mA</b>             |
| _ Load <b>max. 5 W</b>                        | _ Schaltleistung <b>max. 5 W</b>             |
| _ Operating indicator <b>LED yellow</b>       | _ Betriebsanzeige <b>LED gelb</b>            |
| _ Cable <b>PUR 3 x 0,14 mm²</b>               | _ Anschlußleitung <b>PUR 3 x 0,14 mm²</b>    |
| _ Protection class <b>IP67</b>                | _ Schutzart <b>IP67</b>                      |
| _ Housing material <b>PA</b>                  | _ Gehäusematerial <b>PA</b>                  |
| _ Measurements <b>4,4/6,2 x 4,6 x 30,5 mm</b> | _ Abmessungen <b>4,4/6,2 x 4,6 x 30,5 mm</b> |
| _ Locking system <b>screw</b>                 | _ Befestigung <b>Schraube</b>                |
| _ Temperature range <b>-20 °C to +70 °C</b>   | _ Temperaturbereich <b>-20 °C bis +70 °C</b> |

ORDER CODE/BESTELLNUMMERN

PROXIMITY SENSORS/ZYLINDER NÄHERUNGSSCHALTER

REED/REEDKONTAKT/GMR

PROXIMITY SENSORS/ZYLINDER NÄHERUNGSSCHALTER/REED/REEDKONTAKT



| Type · circuit/<br>Ausführung · Schaltbild | 1 m         | 3 m         | 5m          | M 8 x 1     |
|--------------------------------------------|-------------|-------------|-------------|-------------|
|                                            | Part No.    | Part No.    | Part No.    | Part No.    |
|                                            | Artikel Nr. | Artikel Nr. | Artikel Nr. | Artikel Nr. |
| 2-wire/2-Draht · 1                         | 262641      | 262643      | 262645      | 262680      |
| 3-wire/3-Draht · 2                         | 263241      | 263243      | 263245      | 263280      |

PROXIMITY SENSORS/ZYLINDER NÄHERUNGSSCHALTER/GMR



| Type · circuit/<br>Ausführung · Schaltbild | 1 m         | 3 m         | 5m          | M 8 x 1     |
|--------------------------------------------|-------------|-------------|-------------|-------------|
|                                            | Part No.    | Part No.    | Part No.    | Part No.    |
|                                            | Artikel Nr. | Artikel Nr. | Artikel Nr. | Artikel Nr. |
| GMR-pnp · 1                                | 264241      | 264243      | 264245      | 264280      |
| GMR-npn · 2                                | 265241      | 265243      | 265245      | 265280      |

PROXIMITY SENSORS/ZYLINDER NÄHERUNGSSCHALTER/ TOP MOUNT/REED/REEDKONTAKT



| Type · circuit/<br>Ausführung · Schaltbild | 1 m         | 3 m         | 5m          | M 8 x 1     |
|--------------------------------------------|-------------|-------------|-------------|-------------|
|                                            | Part No.    | Part No.    | Part No.    | Part No.    |
|                                            | Artikel Nr. | Artikel Nr. | Artikel Nr. | Artikel Nr. |
| 2-wire/2-Draht · 1                         | 272641      | 272643      | 272645      | 272680      |
| 3-wire/3-Draht · 2                         | 273241      | 273243      | 273245      | 273280      |

PROXIMITY SENSORS/ZYLINDER NÄHERUNGSSCHALTER/ TOP MOUNT/GMR



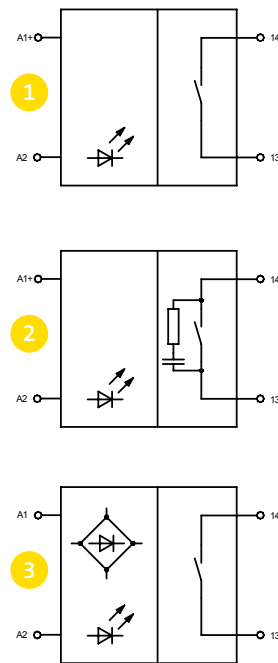
| Type · circuit/<br>Ausführung · Schaltbild | 1 m         | 3 m         | 5m          | M 8 x 1     |
|--------------------------------------------|-------------|-------------|-------------|-------------|
|                                            | Part No.    | Part No.    | Part No.    | Part No.    |
|                                            | Artikel Nr. | Artikel Nr. | Artikel Nr. | Artikel Nr. |
| GMR-pnp · 1                                | 274241      | 274243      | 274245      | 274280      |
| GMR-npn · 2                                | 275241      | 275243      | 275245      | 275280      |

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Grid of dots for notes on page 59.

**RELAY MODULE · 1 NO CONTACT/COIL 24 V TO 230 V**  
**RELAISMODUL · 1 SCHLIESSER/SPULE 24 V BIS 230 V**

Relay module · 1 NO contact/Relaismodul · 1 Schließer  
Coil 24 V to 230 V/ Spule 24 V bis 230 V

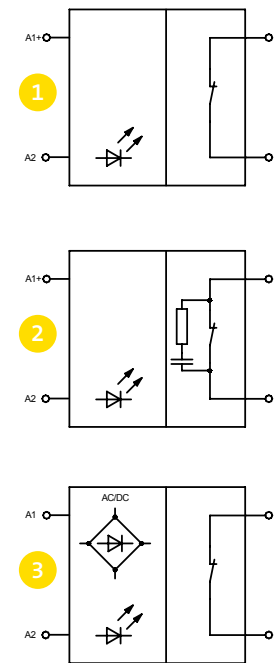


## DETAILS

- |                                              |                                              |
|----------------------------------------------|----------------------------------------------|
| _ Switching voltage <b>400 VAC/150 VDC</b>   | _ Schaltspannung <b>400 VAC/150 VDC</b>      |
| _ Starting/permanent current <b>10 A/8 A</b> | _ Einschalt-/Dauerstrom <b>10 A/8 A</b>      |
| _ Max. power rating <b>2000 VA/192 W</b>     | _ Schaltleistung max. <b>2000 VA/192 W</b>   |
| _ Contact resistance <b>&lt; 30 mOhm</b>     | _ Kontaktwiderstand <b>&lt; 30 mOhm</b>      |
| _ Contact material <b>AgCdO</b>              | _ Kontaktmaterial <b>AgCdO</b>               |
| _ Energize/release time <b>10/15 ms</b>      | _ Ansprech-/Rückfallzeit <b>10/15 ms</b>     |
| _ Switching frequency <b>10 Hz</b>           | _ Schaltfrequenz <b>10 Hz</b>                |
| _ Protection circuit <b>Diode</b>            | _ Schutzbeschaltung <b>Diode</b>             |
| _ Test insulation voltage <b>4 kV</b>        | _ Prüf-Isolationsspannung <b>4 kV</b>        |
| _ Insulation group <b>VDE 0110 Gr. C</b>     | _ Isolationsgruppe <b>VDE 0110 Gr. C</b>     |
| _ Operation indicator <b>LED yellow</b>      | _ Betriebsanzeige <b>LED gelb</b>            |
| _ Measurements <b>11,5 x 54 x 60 mm</b>      | _ Abmessungen <b>11,5 x 54 x 60 mm</b>       |
| _ Fastening <b>DIN-rail</b>                  | _ Befestigung <b>DIN-Schiene</b>             |
| _ Temperature range <b>-20 °C to +50 °C</b>  | _ Temperaturbereich <b>-20 °C bis +50 °C</b> |

**RELAY MODULE · 1 NC CONTACT/COIL 24 V TO 230 V**  
**RELAISMODUL · 1 ÖFFNER/SPULE 24 V BIS 230 V**

Relay module · 1 NC contact/Relaismodul · 1 Öffner  
Coil 24 V to 230 V/ Spule 24 V bis 230 V



## DETAILS

- |                                              |                                              |
|----------------------------------------------|----------------------------------------------|
| _ Switching voltage <b>400 VAC/150 VDC</b>   | _ Schaltspannung <b>400 VAC/150 VDC</b>      |
| _ Starting/permanent current <b>10 A/8 A</b> | _ Einschalt-/Dauerstrom <b>10 A/8 A</b>      |
| _ Max. power rating <b>2000 VA/192 W</b>     | _ Schaltleistung max. <b>2000 VA/192 W</b>   |
| _ Contact resistance <b>&lt; 30 mOhm</b>     | _ Kontaktwiderstand <b>&lt; 30 mOhm</b>      |
| _ Contact material <b>AgCdO</b>              | _ Kontaktmaterial <b>AgCdO</b>               |
| _ Energize/release time <b>10/15 ms</b>      | _ Ansprech-/Rückfallzeit <b>10/15 ms</b>     |
| _ Switching frequency <b>10 Hz</b>           | _ Schaltfrequenz <b>10 Hz</b>                |
| _ Protection circuit <b>Diode</b>            | _ Schutzbeschaltung <b>Diode</b>             |
| _ Test insulation voltage <b>4 kV</b>        | _ Prüf-Isolationsspannung <b>4 kV</b>        |
| _ Insulation group <b>VDE 0110 Gr. C</b>     | _ Isolationsgrupp <b>VDE 0110 Gr. C</b>      |
| _ Operation indicator <b>LED yellow</b>      | _ Betriebsanzeige <b>LED gelb</b>            |
| _ Measurements <b>11,5 x 54 x 60 mm</b>      | _ Abmessungen <b>11,5 x 54 x 60 mm</b>       |
| _ Fastening <b>DIN-rail</b>                  | _ Befestigung <b>DIN-Schiene</b>             |
| _ Temperature range <b>-20 °C to +50 °C</b>  | _ Temperaturbereich <b>-20 °C bis +50 °C</b> |

RELAY MODULE · 2 NO · 2 NC · 1 CO CONTACT

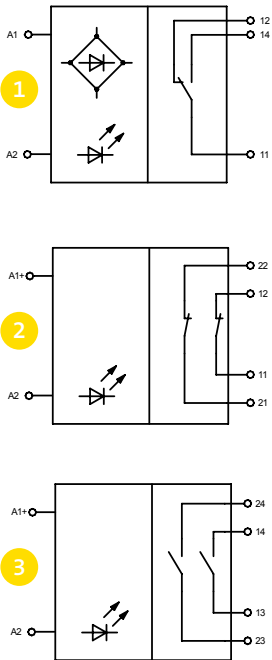
RELAISMODUL · 2 SCHLIESSER · 2 ÖFFNER · 1 WECHSLER

COIL 24 V TO 230 V/SPULE 24 V BIS 230 V

Relay module · 2 NO · 2 NC · 1 CO contact

Relaismodul · 2 Schließer · 2 Öffner · 1 Wechsler

Coil 24 V to 230 V/ Spule 24 V bis 230 V



DETAILS

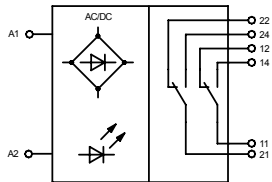
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>_ Switching voltage <b>400 VAC/150 VDC</b></div> <div>_ Starting/permanent current <b>10 A/8 A</b></div> <div>_ Max. power rating <b>2000 VA/192 W</b></div> <div>_ Contact resistance <b>&lt; 30 mOhm</b></div> <div>_ Contact material <b>AgCdO</b></div> <div>_ Energize/release time <b>10/15 ms</b></div> <div>_ Switching frequency <b>10 Hz</b></div> <div>_ Protection circuit <b>Diode</b></div> <div>_ Test insulation voltage <b>4 kV</b></div> <div>_ Insulation group <b>VDE 0110 Gr. C</b></div> <div>_ Operation indicator <b>LED yellow</b></div> <div>_ Measurements <b>11,5 x 72 x 60 mm</b></div> <div>_ Fastening <b>DIN-rail</b></div> <div>_ Temperature range <b>–20 °C to +50 °C</b></div> | <div>_ Schaltspannung <b>400 VAC/150 VDC</b></div> <div>_ Einschalt-/Dauerstrom <b>10 A/8 A</b></div> <div>_ Schaltleistung max. <b>2000 VA/192 W</b></div> <div>_ Kontaktwiderstand <b>&lt; 30 mOhm</b></div> <div>_ Kontaktmaterial <b>AgCdO</b></div> <div>_ Ansprech-/Rückfallzeit <b>10/15 ms</b></div> <div>_ Schaltfrequenz <b>10 Hz</b></div> <div>_ Schutzbeschaltung <b>Diode</b></div> <div>_ Prüf-Isolationsspannung <b>4 kV</b></div> <div>_ Isolationsgrupp <b>VDE 0110 Gr. C</b></div> <div>_ Betriebsanzeige <b>LED gelb</b></div> <div>_ Abmessungen <b>11,5 x 72 x 60 mm</b></div> <div>_ Befestigung <b>DIN-Schiene</b></div> <div>_ Temperaturbereich <b>–20 °C bis +50 °C</b></div> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

RELAY MODULE · 2 CO CONTACT/COIL 24 V TO 230 V

RELAISMODUL · 2 WECHSLER/SPULE 24 V BIS 230 V

Relay module · 2 CO contact/Relaismodul · 2 Wechsler

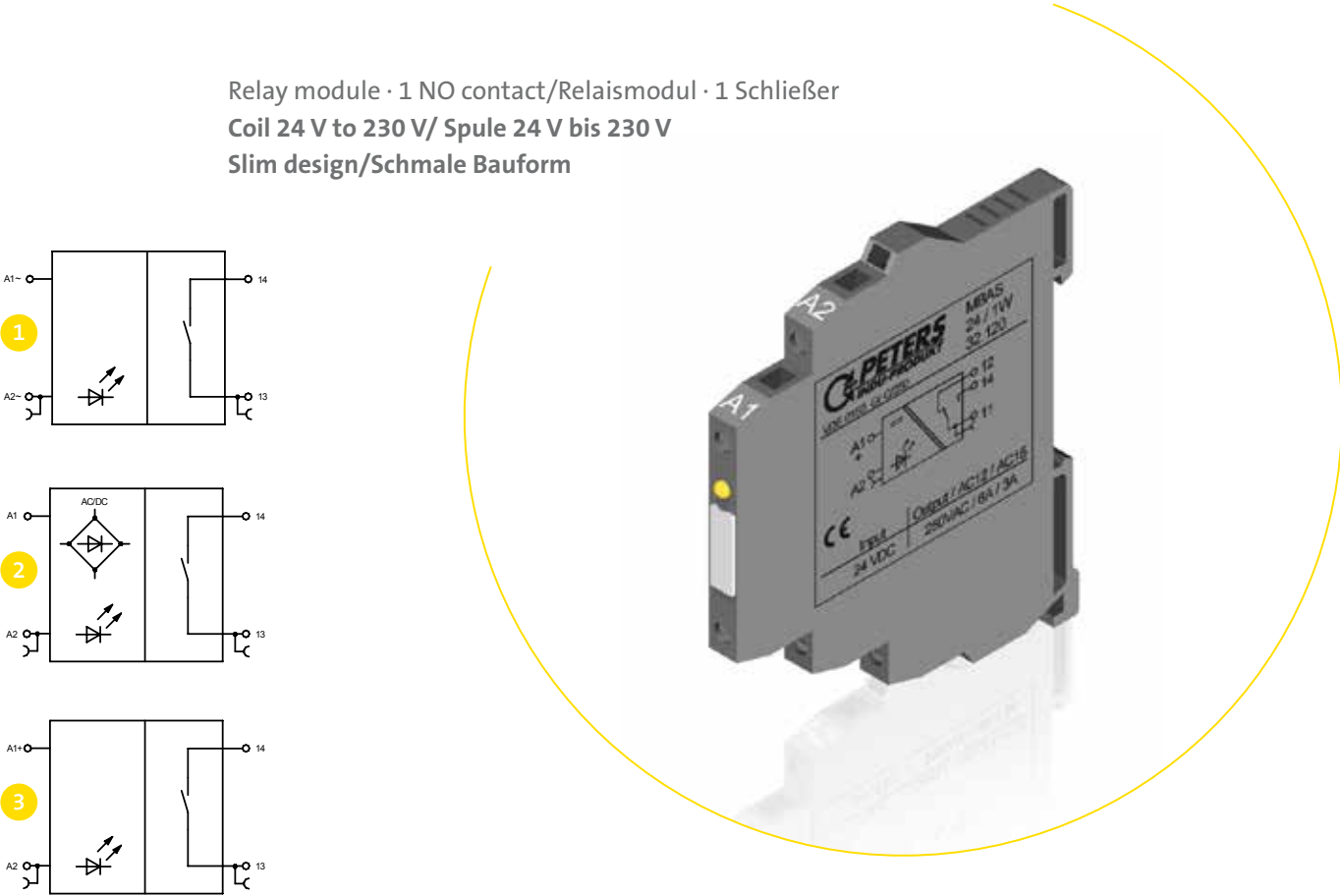
Coil 24 V to 230 V/ Spule 24 V bis 230 V



DETAILS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>_ Switching voltage <b>230 VAC/250 VDC</b></div> <div>_ Starting/permanent current <b>5 A/2 A</b></div> <div>_ Max. power rating <b>250 VA/150 W</b></div> <div>_ Contact resistance <b>&lt; 30 mOhm</b></div> <div>_ Contact material <b>Ag/Au</b></div> <div>_ Energize/release time <b>3/4 ms</b></div> <div>_ Switching frequency <b>10 Hz</b></div> <div>_ Protection circuit <b>Diode</b></div> <div>_ Test insulation voltage <b>1,5 kV</b></div> <div>_ Insulation group <b>VDE 0110 Gr. B</b></div> <div>_ Operation indicator <b>LED yellow</b></div> <div>_ Measurements <b>11,5 x 72 x 60 mm</b></div> <div>_ Fastening <b>DIN-rail</b></div> <div>_ Temperature range <b>–20 °C to +50 °C</b></div> | <div>_ Schaltspannung <b>230 VAC/250 VDC</b></div> <div>_ Einschalt-/Dauerstrom <b>5 A/2 A</b></div> <div>_ Schaltleistung max. <b>250 VA/150 W</b></div> <div>_ Kontaktwiderstand <b>&lt; 30 mOhm</b></div> <div>_ Kontaktmaterial <b>Ag/Au</b></div> <div>_ Ansprech-/Rückfallzeit <b>3/4 ms</b></div> <div>_ Schaltfrequenz <b>10 Hz</b></div> <div>_ Schutzbeschaltung <b>Diode</b></div> <div>_ Prüf-Isolationsspannung <b>1,5 kV</b></div> <div>_ Isolationsgrupp <b>VDE 0110 Gr. B</b></div> <div>_ Betriebsanzeige <b>LED gelb</b></div> <div>_ Abmessungen <b>11,5 x 72 x 60 mm</b></div> <div>_ Befestigung <b>DIN-Schiene</b></div> <div>_ Temperaturbereich <b>–20 °C bis +50 °C</b></div> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

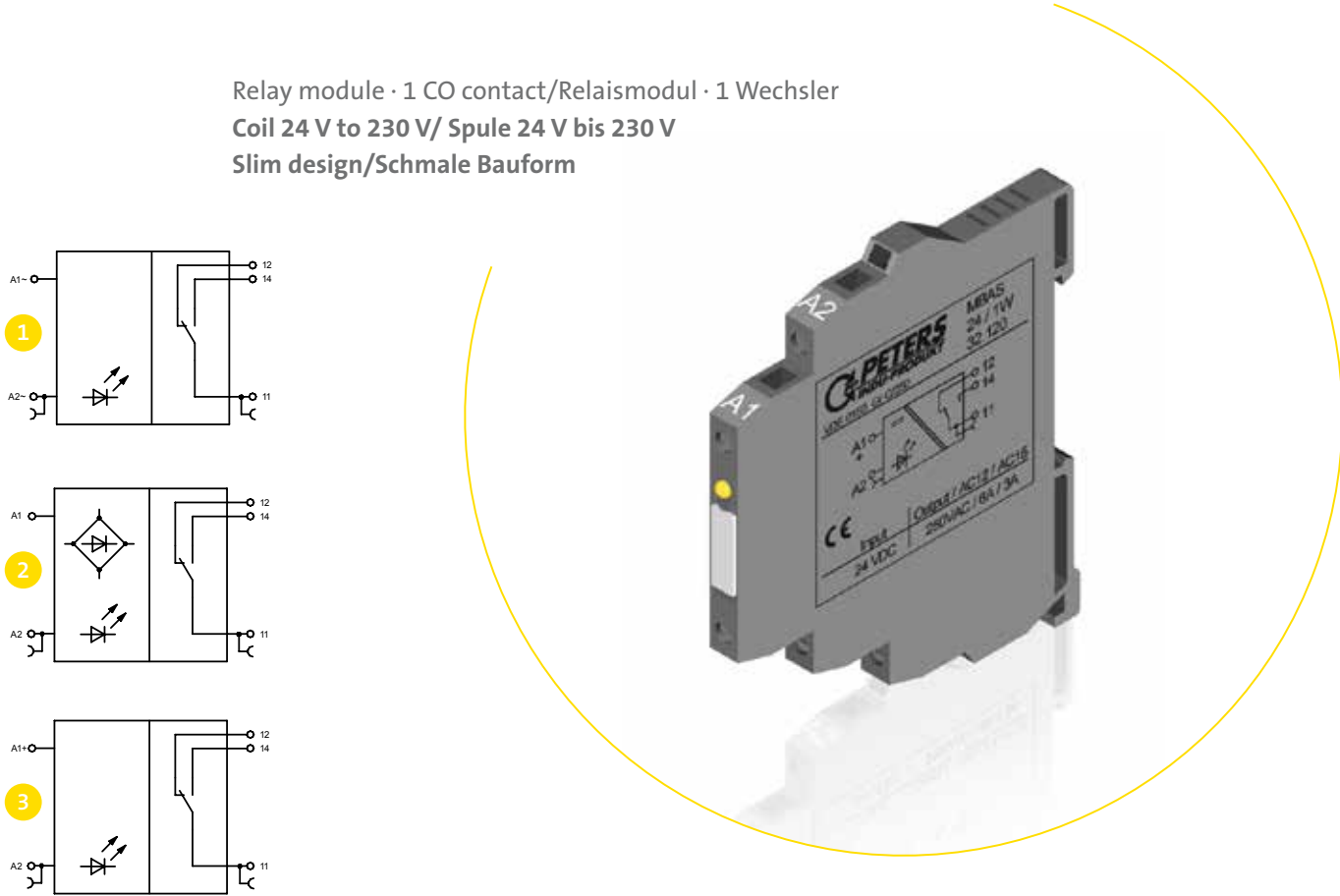
RELAY MODULE · 1 NO CONTACT/COIL 24 V TO 230 V
RELAISMODUL · 1 SCHLIESSER/SPULE 24 V BIS 230 V



DETAILS

|                                                                 |                                                          |
|-----------------------------------------------------------------|----------------------------------------------------------|
| _ Switching voltage <b>250 VAC/300 VDC</b>                      | _ Schaltspannung <b>400 VAC/150 VDC</b>                  |
| _ Starting/permanent current <b>6 A</b>                         | _ Einschalt-/Dauerstrom <b>6 A</b>                       |
| _ Max. power rating <b>1500 VA/240 W</b>                        | _ Schaltleistung max. <b>1500 VA/240 W</b>               |
| _ Contact resistance <b>&lt; 30 mOhm</b>                        | _ Kontaktwiderstand <b>&lt; 30 mOhm</b>                  |
| _ Contact material <b>AgSnO2</b>                                | _ Kontaktmaterial <b>AgSnO2</b>                          |
| _ Energize/release time <b>10/15 ms</b>                         | _ Ansprech-/Rückfallzeit <b>10/15 ms</b>                 |
| _ Switching frequency <b>10 Hz</b>                              | _ Schaltfrequenz <b>10 Hz</b>                            |
| _ Protection circuit <b>Diode</b>                               | _ Schutzbeschaltung <b>Diode</b>                         |
| _ Test insulation voltage <b>4 kV</b>                           | _ Prüf-Isolationsspannung <b>4 kV</b>                    |
| _ Insulation group <b>VDE 0110 Gr. C</b>                        | _ Isolationsgrupp <b>VDE 0110 Gr. C</b>                  |
| _ Operation indicator <b>LED yellow</b>                         | _ Betriebsanzeige <b>LED gelb</b>                        |
| _ Measurements <b>6,2 x 85 x 81 mm</b>                          | _ Abmessungen <b>6,2 x 85 x 81 mm</b>                    |
| _ Fastening <b>DIN-rail</b>                                     | _ Befestigung <b>DIN-Schiene</b>                         |
| _ Temperature range <b>-20 °C to +50 °C</b>                     | _ Temperaturbereich <b>-20 °C bis +50 °C</b>             |
| _ Accessories part no. 099063 <b>Bridging connector 24-pins</b> | _ Zubehör Art. Nr. 099063 <b>Potentialbrücke 24-fach</b> |

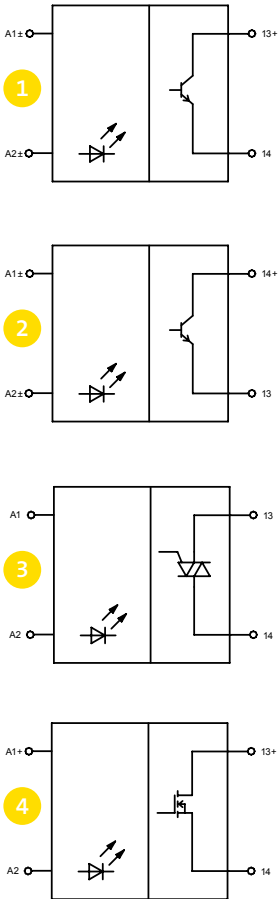
RELAY MODULE · 1 CO CONTACT/COIL 24 V TO 230 V
RELAISMODUL · 1 WECHSLER/SPULE 24 V BIS 230 V



DETAILS

|                                                                 |                                                          |
|-----------------------------------------------------------------|----------------------------------------------------------|
| _ Switching voltage <b>250 VAC/300 VDC</b>                      | _ Schaltspannung <b>400 VAC/150 VDC</b>                  |
| _ Starting/permanent current <b>6 A</b>                         | _ Einschalt-/Dauerstrom <b>6 A</b>                       |
| _ Max. power rating <b>1500 VA/240 W</b>                        | _ Schaltleistung max. <b>1500 VA/240 W</b>               |
| _ Contact resistance <b>&lt; 30 mOhm</b>                        | _ Kontaktwiderstand <b>&lt; 30 mOhm</b>                  |
| _ Contact material <b>AgSnO2</b>                                | _ Kontaktmaterial <b>AgSnO2</b>                          |
| _ Energize/release time <b>10/15 ms</b>                         | _ Ansprech-/Rückfallzeit <b>10/15 ms</b>                 |
| _ Switching frequency <b>10 Hz</b>                              | _ Schaltfrequenz <b>10 Hz</b>                            |
| _ Protection circuit <b>Diode</b>                               | _ Schutzbeschaltung <b>Diode</b>                         |
| _ Test insulation voltage <b>4 kV</b>                           | _ Prüf-Isolationsspannung <b>4 kV</b>                    |
| _ Insulation group <b>VDE 0110 Gr. C</b>                        | _ Isolationsgrupp <b>VDE 0110 Gr. C</b>                  |
| _ Operation indicator <b>LED yellow</b>                         | _ Betriebsanzeige <b>LED gelb</b>                        |
| _ Measurements <b>6,2 x 85 x 81 mm</b>                          | _ Abmessungen <b>6,2 x 85 x 81 mm</b>                    |
| _ Fastening <b>DIN-rail</b>                                     | _ Befestigung <b>DIN-Schiene</b>                         |
| _ Temperature range <b>-20 °C to +50 °C</b>                     | _ Temperaturbereich <b>-20 °C bis +50 °C</b>             |
| _ Accessories part no. 099063 <b>Bridging connector 24-pins</b> | _ Zubehör Art. Nr. 099063 <b>Potentialbrücke 24-fach</b> |

OPTO-COUPLER/1 A TO 4 A
OPTOKOPPLER/1 A BIS 4 A



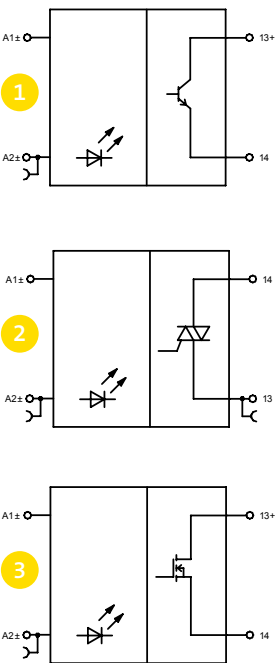
Opto-coupler/Optokoppler  
 1 A to 4 A/1 A bis 4 A



DETAILS

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| _ Control current ≤ 12 mA             | _ Stromaufnahme ≤ 12 mA               |
| _ Switching current (min.) 10 mA      | _ Schaltstrom (min.) 10 mA            |
| _ Energize/release time ≤ 4/≤ 8 ms    | _ Schaltzeit EIN/AUS ≤ 4/≤ 8 ms       |
| _ Test insulation voltage 2,5 kV      | _ Prüf-Isolationsspannung 2,5 kV      |
| _ Insulation group VDE 0110 Gr. C     | _ Isolationsgrupp VDE 0110 Gr. C      |
| _ Operation indicator LED yellow      | _ Betriebsanzeige LED gelb            |
| _ Measurements 11,5 x 54 x 60 mm      | _ Abmessungen 11,5 x 54 x 60 mm       |
| _ Fastening DIN-rail                  | _ Befestigung DIN-Schiene             |
| _ Temperature range −20 °C to +50 °C  | _ Temperaturbereich −20 °C bis +50 °C |
| _ Overload protection Part no. 030400 | _ Überlastschutz Art. Nr. 030400      |

OPTO-COUPLER/0,5 A TO 2 A
OPTOKOPPLER/0,5 A BIS 2 A



Opto-coupler/Optokoppler  
 0,5 A to 2 A/0,5 A bis 2 A



DETAILS

|                                                          |                                                   |
|----------------------------------------------------------|---------------------------------------------------|
| _ Control current ≤ 12 mA                                | _ Stromaufnahme ≤ 12 mA                           |
| _ Switching current (min.) 10 mA                         | _ Schaltstrom (min.) 10 mA                        |
| _ Energize/release time ≤ 4/≤ 8 ms                       | _ Schaltzeit EIN/AUS ≤ 4/≤ 8 ms                   |
| _ Test insulation voltage 2,5 kV                         | _ Prüf-Isolationsspannung 2,5 kV                  |
| _ Insulation group VDE 0110 Gr. C                        | _ Isolationsgrupp VDE 0110 Gr. C                  |
| _ Operation indicator LED yellow                         | _ Betriebsanzeige LED gelb                        |
| _ Measurements 6,2 x 85 x 81 mm                          | _ Abmessungen 6,2 x 85 x 81 mm                    |
| _ Fastening DIN-rail                                     | _ Befestigung DIN-Schiene                         |
| _ Temperature range −20 °C to +50 °C                     | _ Temperaturbereich −20 °C bis +50 °C             |
| _ Accessories part no. 099063 Bridging connector 24-pins | _ Zubehör Art. Nr. 099063 Potentialbrücke 24-fach |
| _ Overload protection Part no. 032215/032240             | _ Überlastschutz Art. Nr. 032215/032240           |

ORDER CODE/BESTELLNUMMERN

RELAY MODULE/ RELAISMODUL

OPTO-COUPLER/ OPTOKOPPLER

RELAY MODULE · 1 NO CONTACT/RELAISMODUL · 1 SCHLIESSER



| Voltage · circuit/ Spannung · Schaltbild |                      |
|------------------------------------------|----------------------|
|                                          | Part No./Artikel Nr. |
| 24 VDC · 1                               | 030064               |
| 24 VDC + RC · 2                          | 030065               |
| 24 VAC/DC · 3                            | 030050               |
| 60 VAC/DC · 3                            | 030081               |
| 115 VAC/DC · 3                           | 030084               |
| 230 VAC/DC · 3                           | 030056               |

RELAY MODULE · 1 NC CONTACT/RELAISMODUL · 1 ÖFFNER



| Voltage · circuit/ Spannung · Schaltbild |                      |
|------------------------------------------|----------------------|
|                                          | Part No./Artikel Nr. |
| 24 VDC · 1                               | 030068               |
| 24 VDC + RC · 2                          | 030069               |
| 24 VAC/DC · 3                            | 030054               |
| 60 VAC/DC · 3                            | 030083               |
| 115 VAC/DC · 3                           | 030085               |
| 230 VAC/DC · 3                           | 030086               |

RELAY MODULE · 2 NO · 2 NC · 1 CO CONTACT/  
RELAISMODUL · 2 SCHLIESSER · 2 ÖFFNER · 1 WECHSLER



| Voltage · circuit/ Spannung · Schaltbild |                      |
|------------------------------------------|----------------------|
|                                          | Part No./Artikel Nr. |
| 24 VDC · 1                               | 030072               |
| 24 VDC · 2                               | 030074               |
| 24 VAC/DC · 3                            | 030058               |

RELAY MODULE · 2 CO CONTACT/RELAISMODUL · 2 WECHSLER



| Voltage/ Spannung |                      |
|-------------------|----------------------|
|                   | Part No./Artikel Nr. |
| 24 VAC/DC         | 030070               |
| 230 VAC/DC        | 030079               |

RELAY MODULE · 1 NO CONTACT/RELAISMODUL · 1 SCHLIESSER · SLIM DESIGN/SCHMALE BAUFORM



| Voltage · circuit/ Spannung · Schaltbild |                      |
|------------------------------------------|----------------------|
|                                          | Part No./Artikel Nr. |
| 24 VDC · 1                               | 032110               |
| 115 VAC/DC · 2                           | 032112               |
| 230 VAC · 3                              | 032113               |

RELAY MODULE · 1 CO CONTACT/RELAISMODUL · 1 WECHSLER



| Voltage · circuit/ Spannung · Schaltbild |                      |
|------------------------------------------|----------------------|
|                                          | Part No./Artikel Nr. |
| 24 VDC · 1                               | 032120               |
| 24 VAC/DC · 2                            | 032130               |
| 115 VAC/DC · 2                           | 032150               |
| 230 VAC · 3                              | 032160               |

OPTO-COUPLER – 1 A TO 4 A/OPTOKOPPLER – 1 A BIS 4 A



| Input · output · current · circuit/<br>Eingang · Ausgang · Strom · Schaltbild |                      |
|-------------------------------------------------------------------------------|----------------------|
|                                                                               | Part No./Artikel Nr. |
| 24 VDC · 1–48 VDC · 1,2 A · 1                                                 | 030100               |
| 24 VDC · 1–48 VDC · 1,2 A · 2                                                 | 030101               |
| 5 VDC · 5–48 VDC · 1,2 A · 1                                                  | 030110               |
| 24 VDC · 10–260 VAC · 1,5 A · 3                                               | 030120               |
| 230 VDC · 1–400 VDC · 0,8 A · 1                                               | 030121               |
| 24 VDC · 1–48 VDC · 4 A · 4                                                   | 030400               |

OPTO-COUPLER – 0,5 A TO 2 A/OPTOKOPPLER – 0,5 A BIS 2 A



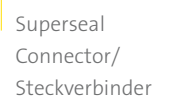
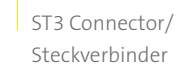
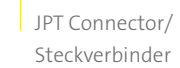
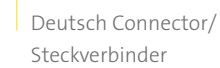
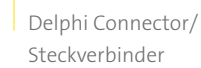
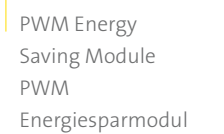
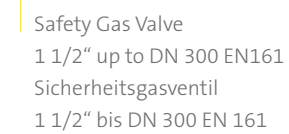
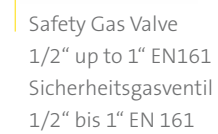
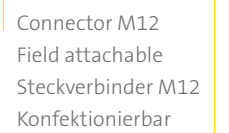
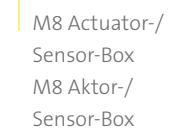
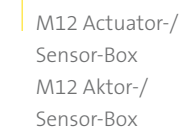
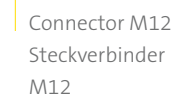
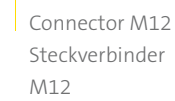
| Input · output · current · circuit/<br>Eingang · Ausgang · Strom · Schaltbild |                      |
|-------------------------------------------------------------------------------|----------------------|
|                                                                               | Part No./Artikel Nr. |
| 5 VDC · 5–48 VDC · 0,5 A · 1                                                  | 032205               |
| 24 VDC · 12–250 VAC · 0,5 A · 2                                               | 032210               |
| 5 VDC · 5–48 VDC · 2,0 A · 3                                                  | 032215               |
| 24 VDC · 1–48 VDC · 0,5 A · 1                                                 | 032225               |
| 24 VDC · 1–48 VDC · 2,0 A · 3                                                 | 032240               |



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