



Harmony[®] XAC

Pendant control stations

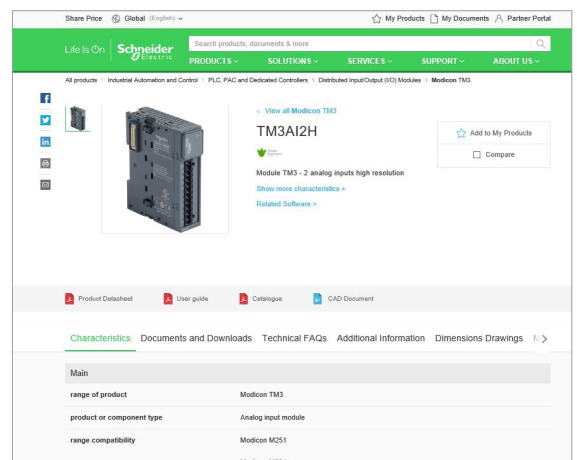
Quick access to product information

Get technical information about your product

References

Modicon TM3
I/O expansion modules for Modicon controllers
Analog I/O modules

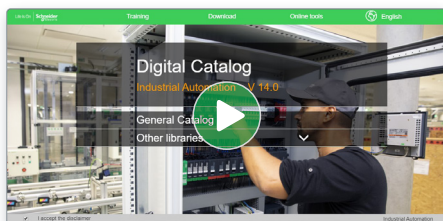
| Number and type of channels | Input range | Output range | Resolution | Input format (mA) | Reference | Weight (kg) |
|-----------------------------------|--|--------------------------|--------------------------|--------------------|--------------------|----------------|
| 2 voltage inputs | -15...+15 VDC 0...20 mA r.t. 20 mA | 16.000 or 12.000 r.t. | 16.000 or 12.000 r.t. | 0/20 mA 0/20 mA | TM3AI2H TM3AI2G | 0.110 0.200 |
| 4 voltage inputs | -15...+15 VDC 0...20 mA r.t. 20 mA | 16.000 or 12.000 r.t. | 16.000 or 12.000 r.t. | 0/20 mA 0/20 mA | TM3AI4H TM3AI4G | 0.110 0.200 |
| 4 voltage or temperature inputs | -15...+15 VDC 0...20 mA r.t. 20 mA | 16.000 or 12.000 r.t. | 16.000 or 12.000 r.t. | 0/20 mA 0/20 mA | TM3AI4H TM3AI4G | 0.110 0.200 |
| 4 differential temperature inputs | 0...20 mA r.t. 20 mA 0...20 mA r.t. 20 mA | 16.000 or 12.000 r.t. | 16.000 or 12.000 r.t. | 0/20 mA 0/20 mA | TM3AI4H TM3AI4G | 0.110 0.200 |
| 8 self-supply | -15...+15 VDC | 16.000 or 12.000 r.t. | 16.000 or 12.000 r.t. | 0/20 mA 0/20 mA | TM3AI8H TM3AI8G | 0.110 0.200 |



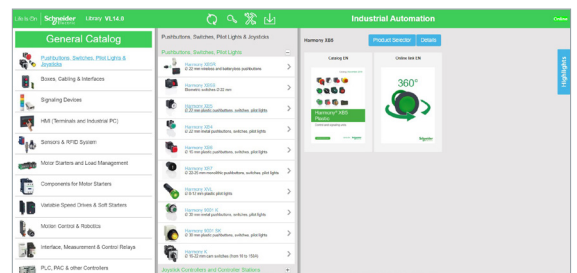
Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual

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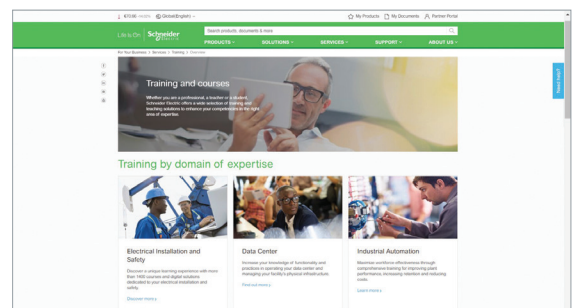


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General contents

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| Selection guide | 1 |
| Pendant control stations with intuitive operation | 2 |
| Pendant control stations | 3 |
| How to find products, index | 4 |

Selection guide for pendant control stations

Selection guide 1/2






Pendant control stations

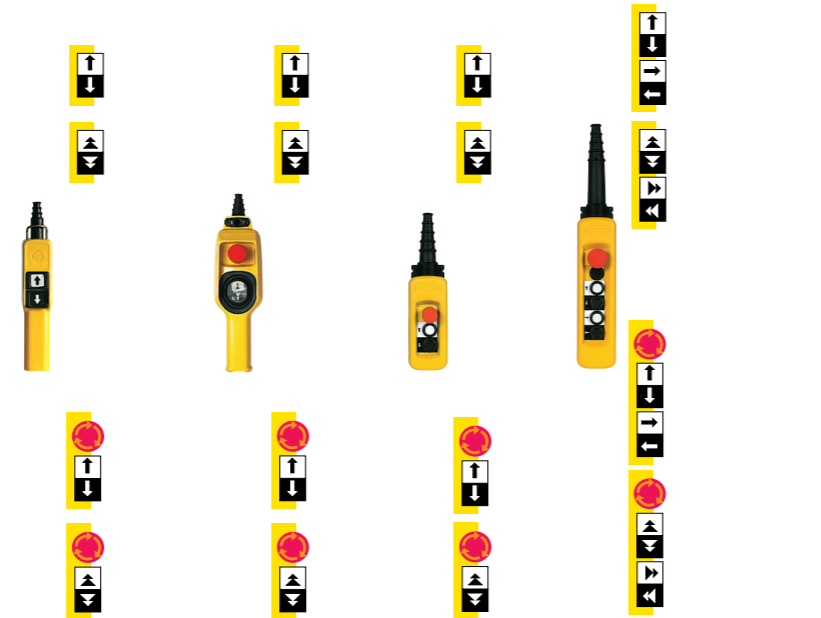
Complete stations "ready for use"

Applications

Motor control

-  Single-speed
-  2-speed
-  Emergency stop

| Pendant control stations | |
|-----------------------------|--------------------------------|
| Control circuits | |
| Simple hoisting: 1 movement | Handling-hoisting: 2 movements |



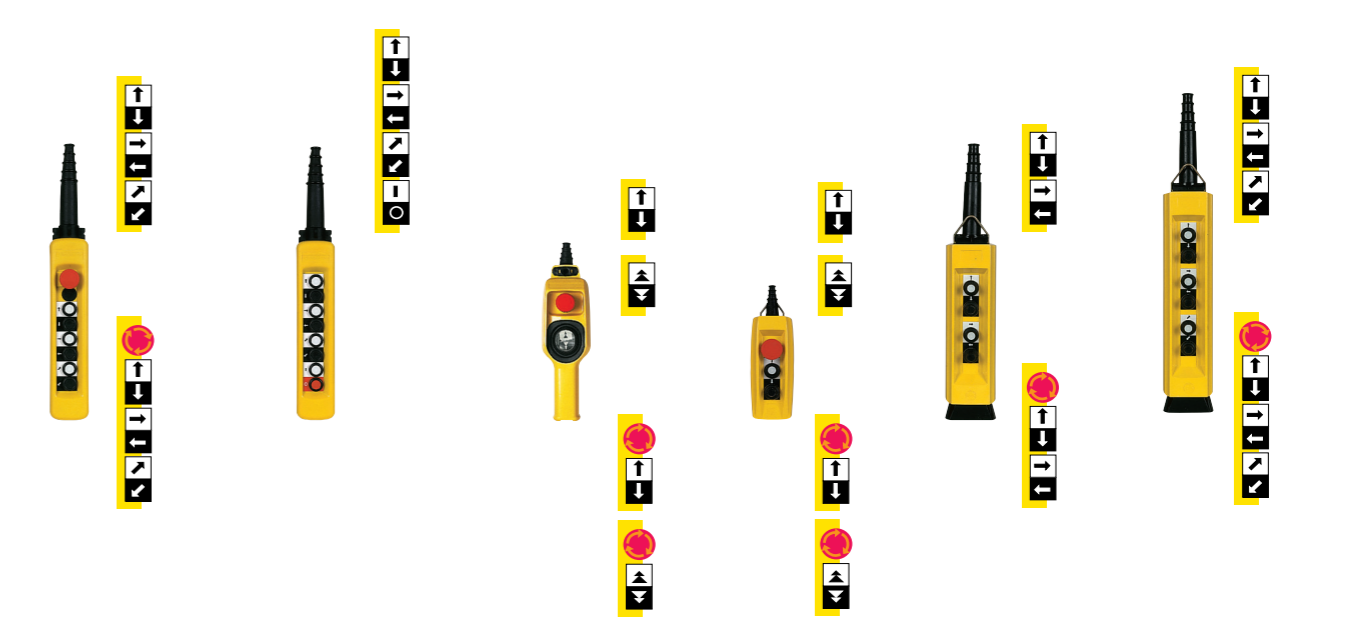
| | | | | |
|---|--|--|--|--|
| Number of operators | 2 | 1 (2-directional) | 2 | 4 |
| Enclosure material | Polypropylene | | | Polypropylene |
| Shock resistance | 100 gn | 70 gn | 100 gn | |
| Conformity to standards | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 No. 14, and EN/IEC 60947-5-5, EN/ISO 13850 (1) | | | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 No. 14, and EN/IEC 60947-5-5, EN/ISO 13850 (1) |
| Protective treatment | Standard version, "TH" | | | |
| Degree of protection | IP65 | IK08 | | |
| Cable entries | Rubber sleeve with stepped entry diameter for cable Ø 7 to 15 mm/ 0.28 to 0.59 in. | Rubber sleeve with stepped entry diameter for cable Ø 7 to 18 mm/ 0.28 to 0.71 in. | Rubber sleeve with stepped entry diameter for cable Ø 8 to 26 mm/ 0.31 to 1.02 in. | Rubber sleeve with stepped entry diameter for cable Ø 8 to 26 mm/ 0.31 to 1.02 in. |
| Operator control station type reference | XACA | XACD | XACA | XACA |

(1) For versions with trigger action Emergency stop.

[Click here for Pendant control station catalog](#)

More technical information on www.se.com

| Pendant control stations | | |
|--------------------------------|-----------------------------|--------------------------------|
| Control circuits | | |
| Handling-hoisting: 3 movements | Simple hoisting: 1 movement | Handling-hoisting: 2 movements |
| | | 3 movements |



| | | | | | |
|--|--|--|---|------|------|
| 6 | 8 | 1 (2-directional) | 2 | 4 | 6 |
| Polypropylene | Polypropylene | Polypropylene | Polyester | | |
| 100 gn | | 100 gn | | | |
| EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 No. 14, and EN/IEC 60947-5-5, EN/ISO 13850 (1) | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 No. 14, and EN/IEC 60947-5-5, EN/ISO 13850 (1) | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 No. 14, EN/IEC 60947-3, and EN/IEC 60947-5-5, EN/ISO 13850 (1) | | | |
| Standard version, "TH" | | Standard version, "TH" | | | |
| IP65 | | IP65 | | | |
| IK08 | | IK08 | | | |
| Rubber sleeve with stepped entry diameter for cable Ø 8 to 26 mm/ 0.31 to 1.02 in. | Rubber sleeve with stepped entry diameter for cable Ø 8 to 26 mm/ 0.31 to 1.02 in. | Rubber sleeve with stepped entry diameter for cable Ø 7 to 18 mm/ 0.28 to 0.71 in. | Rubber sleeve with stepped entry diameter for cable Ø 10 to 22 mm/ 0.39 to 0.87 in. | | |
| XACA | XACA | XACD | XACB | XACB | XACB |

More technical information on www.se.com

Pendant control stations

Variable composition stations

1

| | | |
|---------------------------|---------------------------------|-------------------------|
| Applications | Pendant control stations | |
| Number of cut-outs | 1 or 2 | 2, 3, 4, 5, 6, 8, or 12 |



| | | |
|--|--|--|
| Enclosure material | Polypropylene | |
| Shock resistance | Conforming to standard IEC 60068-2-27 100 gn | |
| Conformity to standards | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 No. 14, EN/IEC 60947-3, and EN/IEC 60947-5-5, EN/ISO 13850 (1) | |
| Protective treatment | Standard version, "TH" | |
| Degree of protection | Conforming to standard IEC 60529 IP65 Conforming to standard EN 50102 IK08 | |
| Equipment | <ul style="list-style-type: none"> Emergency stop (front mounted) Contact blocks for 1 or 2 speeds | <ul style="list-style-type: none"> Pushbuttons Selector/key switches Pilot lights Emergency stop (front or base mounted) Wobblesticks Contact blocks for 1 or 2 speeds |
| Cable entries | Rubber sleeve with stepped entry diameter for cable Ø 7 to 18 mm/0.28 to 0.71 in. | Rubber sleeve with stepped entry diameter for cable Ø 8 to 26 mm/0.31 to 1.02 in. |
| Operator control station type reference | XACD | XACA |

1

| | | |
|-----------------------|--------|-------------------------------------|
| Power circuits | 1 or 2 | 2, 3, 4, 6, 8, or 12 in 2 rows of 6 |
|-----------------------|--------|-------------------------------------|



| | | |
|--|--|--|
| Enclosure material | Polypropylene | Polyester |
| Shock resistance | Conforming to standard IEC 60068-2-27 100 gn | |
| Conformity to standards | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 No. 14, EN/IEC 60947-3, and EN/IEC 60947-5-5, EN/ISO 13850 (1) | |
| Protective treatment | Standard version, "TH" | |
| Degree of protection | Conforming to standard IEC 60529 IP65 Conforming to standard EN 50102 IK08 | |
| Equipment | <ul style="list-style-type: none"> Emergency stop (front mounted) Contact blocks for 1 or 2 speeds | <ul style="list-style-type: none"> Pushbuttons Selector/key switches Pilot lights Emergency stop (front or base mounted) Wobblesticks Contact blocks for 1 or 2 speeds |
| Cable entries | Rubber sleeve with stepped entry diameter for cable Ø 7 to 18 mm/0.28 to 0.71 in. | Rubber sleeve with stepped entry diameter for cable Ø 10 to 22 mm/0.39 to 0.87 in. |
| Operator control station type reference | XACD | XACB |

[Click here for Pendant control station catalog](#)

More technical information on www.se.com

More technical information on www.se.com

Wireless industrial radio remote control stations

Complete stations “ready for use”

| |
|-------------------------|
| Type of control station |
| Applications |

| |
|----------------------------------|
| Compact |
| Wireless remote control stations |
| Handling-hoisting |



| | |
|---|---|
| Number of operators | 6 |
| Enclosure material | Polyurethane |
| Shock resistance | Conforming to standard IEC 60068-2-27 |
| Conformity to standards | For receiver: EN 300 328 V2.1.1: 2016-11 EN 301 489-1 V2.1.1: 2017-02 EN 301 489-17 V3.1.1: 2017-02 EN 60950-1:2006 + A11: 2009 EN 50581: 2012 EN ISO 13849-1:2016 For transmitter: EN 300 440 V2.1.1: 2017-03 EN 301 489-1 V2.1.1: 2017-02 EN 301 489-3 V2.1.1: 2017-03 EN 60950-1:2006 + A11: 2009 + A1: 2010 + A12: 2011 EN 62479: 2010 EN 50581: 2012 EN ISO 13849-1:2016 |
| Protective treatment | Standard version, “TC” |
| Degree of protection | Conforming to standard IEC 60529 IP65 for transmitter IP66 for receiver |
| Cable entries | PVC torsion cable, largest single wire Ø 0.21 mm/0.008 in., outer Ø 12.0 mm/0.47 in. |
| Operator control station type reference | ZART8LS + ZARB |

(1) For versions with trigger action Emergency stop.
(2) For more information, refer to Harmony eXLhoist Pocket catalog.

[Click here for Harmony eXLhoist catalog](#)

More technical Information on www.se.com

| |
|----------------------------------|
| Pocket |
| Wireless remote control stations |
| Machine application |



| | |
|---|---|
| Number of operators | 3, 4, 6, 8, and 10 |
| Enclosure material | Polyurethane |
| Shock resistance | - |
| Conformity to standards | For receiver: EN 300 328 V2.1.1: 2016-11 EN 301 489-1 V2.1.1: 2017-02 EN 301 489-17 V3.1.1: 2017-02 EN 60950-1:2006 + A11: 2009 EN 50581: 2012 For transmitter: EN 300 440 V2.1.1: 2017-03 EN 301 489-1 V2.1.1: 2017-02 EN 301 489-3 V2.1.1: 2017-03 EN 60950-1:2006 + A11: 2009 + A1: 2010 + A12: 2011 EN 62479: 2010 EN 50581: 2012 |
| Protective treatment | Standard version, “TC” |
| Degree of protection | IP67 for transmitter and IP66 for receiver |
| Cable entries | PVC torsion cable, largest single wire Ø 0.21 mm (0.008 in.), outer Ø 12.0 mm (0.47 in.) |
| Operator control station type reference | ZAR (2) |

[Click here for Harmony Pocket catalog](#)

More technical Information on www.se.com

Pendant control stations with intuitive operations

■ Double insulated, for control circuits

- Complete stations “ready for use”, “Pistol grip”, type XACA..... 2/2
- Complete stations “ready for use”, type XACD 2/2

■ Double insulated, for power circuits (direct switching)

- Complete stations “ready for use”, type XACD 2/3

■ Double insulated, for control or power circuits

- Empty enclosures, type XACD..... 2/5
- Separate components and spare parts 2/6
- Variable composition stations, factory assembled 2/7



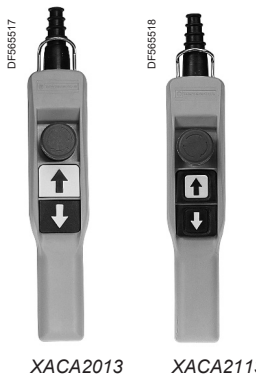
Pendant control stations

Double insulated with intuitive operation, type XACA “Pistol grip”

For control circuits

Complete stations “ready for use”

2



| For control of single-speed hoist motors | | | | | | |
|--|---|-------------------|--|--------------------|-----------|-----------|
| Functions | Number of operators | Type of operators | Contact block(s) and scheme | | Reference | Weight kg |
| | | | Per direction | For Emergency stop | | |
| | 2 mechanically interlocked | Standard | 1 N/O ZB2BE101 | - | XACA201 | 0.270 |
| | | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | - | XACA205 | 0.300 |
| | | Booted | 1 N/O ZB2BE101 | - | XACA211 | 0.290 |
| | | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | - | XACA215 | 0.320 |
| | 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 30 mm operator ZB5AS834 (1) | Standard | 1 N/O ZB2BE101 | 1 N/C ZB2BE102 | XACA2013 | 0.310 |
| | | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | 1 N/C ZB2BE102 | XACA2053 | 0.340 |
| | | Booted | 1 N/O ZB2BE101 | 1 N/C ZB2BE102 | XACA2113 | 0.310 |
| | | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | 1 N/C ZB2BE102 | XACA2153 | 0.340 |

(1) Harmony XB5, trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

Pendant control stations

Double insulated with intuitive operation, type XACA "Pistol grip"

For control circuits

Complete stations "ready for use"

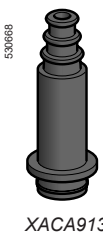
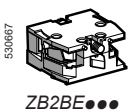


| For control of 2-speed hoist motors | | | | | | |
|-------------------------------------|---|-------------------|-----------------------------------|-----------------------------|-----------|-----------|
| Functions | Number of operators | Type of operators | Per direction | Contact block(s) and scheme | Reference | Weight kg |
| | 2 mechanically interlocked | Standard | 2 step 1 N/O + 1 N/O staggered | | XACA207 | 0.320 |
| | | Booted | 2 step 1 N/O + 1 N/O staggered | | XACA217 | 0.320 |
| | 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 30 mm operator ZB5AS834 (1) | Standard | 2 step 1 N/O + 1 N/O staggered | | XACA2073 | 0.360 |
| | | Booted | 2 step 1 N/O + 1 N/O staggered | | XACA2173 | 0.360 |



Separate components and spare parts

| Description | For use with | Marking/Function | Scheme | Reference | Weight kg |
|--|-------------------------|------------------|--------|-----------|-----------|
| Booted pushbutton operators with fixing screws | XACA217● (2-speed) | ▲ | - | XACA923 | 0.010 |
| | | ▼ | - | XACA924 | 0.010 |
| Contact blocks spring return, slow break | XACA all models | N/O | | ZB2BE101 | 0.015 |
| | | N/C | | ZB2BE102 | 0.015 |
| | | N/O staggered | | ZB2BE201 | 0.015 |
| Protective cable sleeve + suspension ring + cable clamp | Cable Ø 7 to Ø 13 mm | - | - | XACA913 | 0.070 |



(1) Harmony XB5, trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

Pendant control stations

Double insulated with intuitive operation,
type XACD

For control circuits

Complete stations “ready for use”

2

DF66503




XACD21A0101

DF66501



XACD24A0105

For control of single-speed hoist motors

| Functions | Number of operators | Contact block(s) and scheme | Reference | Weight kg |
|--|--|-----------------------------|-------------|-----------|
|  Reversing, mechanically interlocked | 1 | 1 N/O | XACD21A0101 | 0.340 |
| | 2-directional operator | ZB2BE101 | | |
| | 1 | 1 N/C + 1 N/O | XACD24A0105 | 0.425 |
| | 2-directional operator + 1 trigger action Emer. stop Ø 30 mm ZA2BS834 operator (2) | ZB2BE102 + ZB2BE101 | | |

(1) Reference of double contact block for reversing operation.

(2) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

Pendant control stations

Double insulated with intuitive operation, type XACD

For control or power circuits

Empty enclosures, separate components and spare parts



XACD021



XACD022



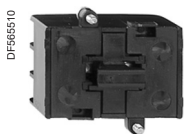
ZB2BE10



XEDS1231



XEDS2121



XENT1991

Empty enclosures

| Description | Enclosure cut-outs | Reference | Weight kg |
|---|---|-------------------------|-----------|
| Empty enclosure comprising: - the enclosure, - protective cable sleeve for Ø 7 to 18 mm cable, - internal cable clamp, - cable tie (for tightening sleeve onto cable), - the directional operator, - legends. | For directional operator + operating head (Ø 22.5 mm cut-out) | XACD022 | 0.345 |

Variable composition stations, factory assembled

Use the order form on page 30073/7 to define the required configuration.

Equipment: contact blocks and operating heads

See separate components, page 30073/5

Contact blocks

| Description | Application | Function (1) | Scheme (1) | Max. power/ 400 V | Reference | Weight kg |
|--|--------------|---------------------------|------------|--------------------------|--------------------------|-----------|
| For control circuits | | | | | | |
| Single block spring return, slow break | Single-speed | N/O | | - | ZB2BE101 | 0.015 |
| | | N/C | | - | ZB2BE102 | 0.015 |
| Double block spring return, snap action | 2-speed | N/O + N/O staggered | | - | XEDS1231 | 0.015 |
| | | N/C + N/O + N/O staggered | | - | XEDS1241 | 0.015 |
| For power circuits | | | | | | |
| Double block spring return, snap action | Single-speed | 2-pole | | 1.1 kW | XEDS2111 | 0.080 |
| | | | | 2.2 kW | XEDS3111 | 0.090 |
| | | 2-pole + 1 N/O (brake) | | 1.1 kW | XEDS2121 | 0.090 |
| | | | 2.2 kW | XEDS3121 | 0.090 | |
| | 2-speed | 2-pole | | 1.1 kW | XEDS2231 | 0.110 |
| | | | 2.2 kW | XEDS3231 | 0.110 | |
| | | 2-pole + 1 N/O (brake) | | 2.2 kW | XEDS3241 | 0.120 |
| For Emergency stop operating head (Ø 22.5 mm cut-out) | | | | | | |
| Single block spring return, slow break | | N/C | | - | ZB2BE102 | 0.015 |
| | | N/C + N/C + N/C | | - | XENT1991 | 0.040 |

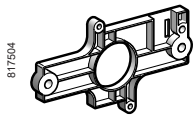
(1) Function or scheme per direction for double contact blocks.

Pendant control stations

Double insulated with intuitive operation,
type XACD

For control or power circuits

Separate components and spare parts



817504

XACD912



DF538494

ZA2BS934



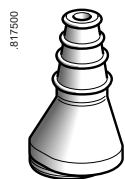
DF56513

ZA2BD2



DF56514

ZA2BG2



817500

XACD901

Operating heads for Ø 22.5 mm cut-out

| Description | Colour | Reference | Weight kg |
|---|--------|--------------------------|-----------|
| 1 trigger action latching Emergency stop Ø 30 mm operator Key release, n° 455 (2) Key withdrawal in rest (unactuated) position | Red | ZA2BS934 | 0.060 |
| Selector switch, standard handle 2 position, stay put | Black | ZA2BD2 | 0.018 |
| Key switch (key n° 455) (2) 2 position, stay put Key withdrawal in left-hand position | – | ZA2BG2 | 0.020 |
| Key switch (key n° 455) (2) 2 position, spring return from right to left Key withdrawal in left-hand position | – | ZA2BG6 | 0.020 |
| Key switch (key n° 455) (2) 2 position, stay put Key withdrawal in left and right-hand position | – | ZA2BG4 | 0.020 |
| Key switch (key n° 455) (2) (3) 3 position, stay put Key withdrawal in left and right-hand position | – | ZA2BG5 | 0.020 |
| Key switch (key n° 455) (2) (3) 3 position, stay put Key withdrawal in centre position | – | ZA2BG3 | 0.020 |

Complementary accessories

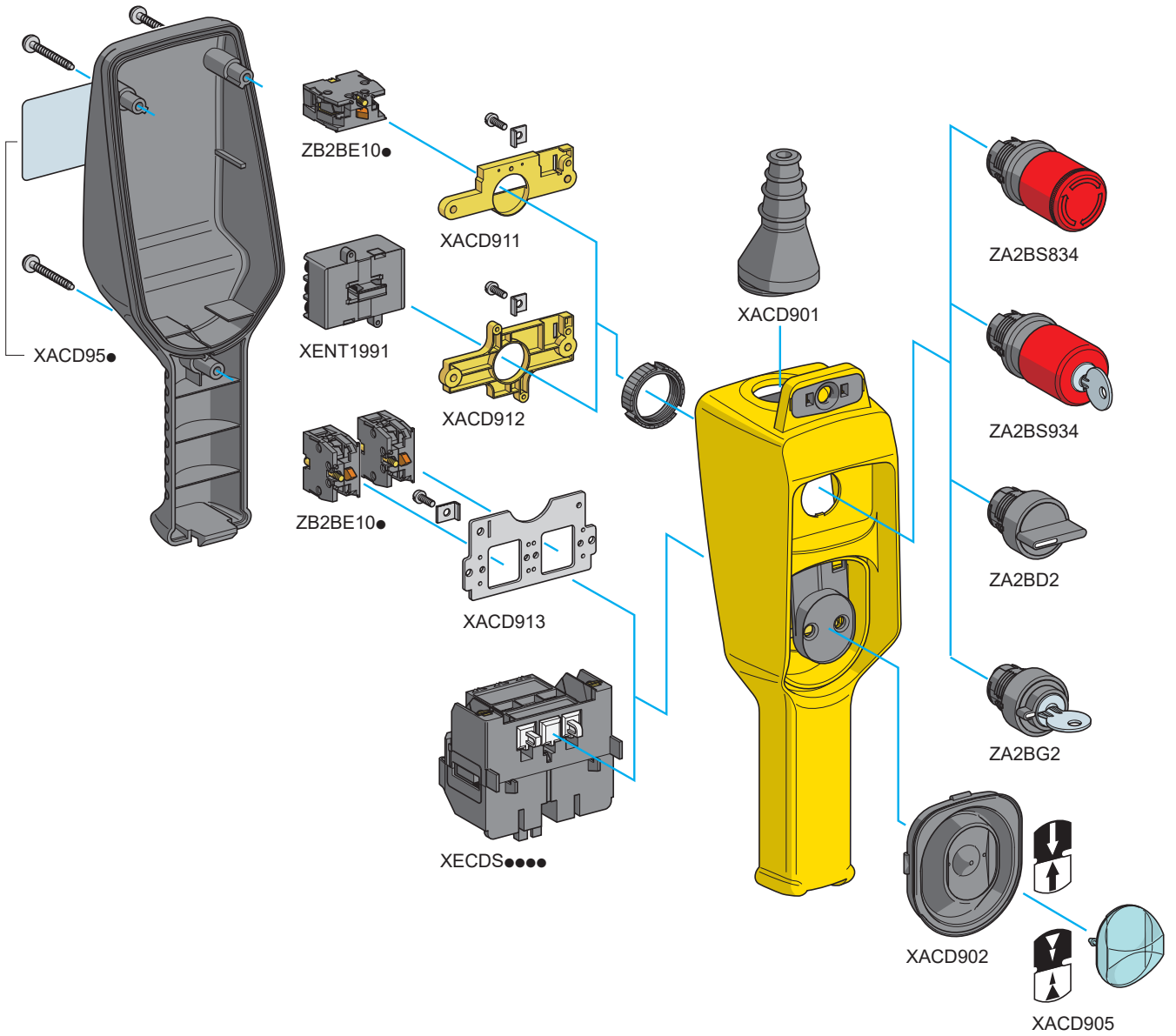
| | | | |
|---|---|-------------------------|-------|
| Protective cable sleeve for cable Ø 7 to 18 mm | – | XACD901 | 0.030 |
|---|---|-------------------------|-------|

Pendant control stations

Double insulated with intuitive operation,
type XACD

For control or power circuits

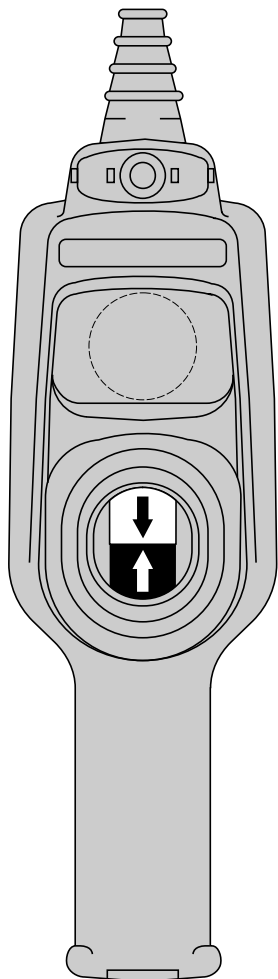
Variable composition stations, factory assembled



Pendant control stations

Double insulated with intuitive operation, type XACD
For control or power circuits
Variable composition stations, factory assembled

2



| | | | | |
|-----------------|----------|---------------|--------------------------------------|----------|
| Customer | | | Schneider Electric Industries | |
| Company | Order N° | Delivery date | Sales office - Subsidiary Co. | Order N° |
| | | | | |

Enter the order with XACD09 reference

| | | | | | |
|---|---|---|---|------------------------------|---------------------|
| Unit reference of empty enclosure, see page 30073/4 | | | | Number of identical stations | Enclosure price (1) |
| XAC | D | 0 | 2 | | |

- The reference of the empty enclosure above comprises:
- the enclosure,
 - internal cable clamp,
 - cable tie (for tightening sleeve onto cable),
 - the directional operator with set of legends, **XACD905**,
 - protective cable sleeve for Ø 7 to 18 mm cable, **XACD901**,
 - diaphragm for directional operator, **XACD902**.

| | | | | | | |
|---|------------|---|------------|--|------------|--------------------|
| Operating head see page 30073/5 | | Contact blocks see page 30073/4 | | Support plate see page 30073/5 | | Total price |
| Reference | Unit price | Reference | Unit price | Reference | Unit price | |
| | | | | | | |

| | | | | | | |
|---|------|------------|--|------|------------|--------------------|
| Contact blocks see page 30073/4 | | | Support plate (for ZB2BE●●● only) see page 30073/5 | | | Total price |
| Reference | Qty. | Unit price | Reference | Qty. | Unit price | |
| | | | | | | |

Factory assembly:
Add an additional cost for assembly **XAC9VA**

Total price of assembled pendant station

(1) Obtain the empty enclosure price.

Pendant control stations

■ **Double insulated, type XACA, for control circuits**

- Complete stations “ready for use” 3/2
- Empty enclosures 3/5
- Separate components and spare parts 3/6
- Variable composition stations, factory assembled 3/12

■ **Double insulated, type XACB or metal, type XACM**

- Complete stations “ready for use”, type XACB, for control circuits..... 3/14
- Complete stations “ready for use”, type XACB, for power circuits..... 3/15
- Empty enclosures, type XACB, for control or power circuits..... 3/16
- Separate components and spare parts 3/17
- Variable composition stations, factory assembled 3/23





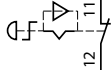
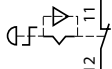

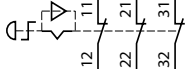
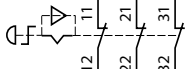







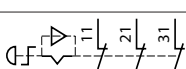
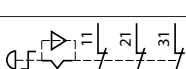
Pendant control stations

Double insulated, type XACA

For control circuits

Complete stations "ready for use"

For control of single-speed motors

| Functions | Number of operators | Contact block(s) and scheme | | Reference | Weight kg | |
|---|---|--|----------------------------------|---|---------------|-------|
| | | Per direction | For Emergency stop | | | |
|  | 2 mechanically interlocked | 1 N/O ZB2BE101 | - |  | XACA271 | 0.475 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | - |  | XACA281 | 0.500 |
|  | 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 30 mm operator ZA2BS834 (1) | 1 N/O ZB2BE101 | 1 N/C ZB2BE102 |  | XACA2713 (1) | 0.575 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | 1 N/C ZB2BE102 |  | XACA2813 (1) | 0.600 |
|  | 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 30 mm operator ZA2BS834 (1) | 1 N/O ZB2BE101 | 1 N/C + N/C + N/C XENT1192 |  | XACA27131 (1) | 0.615 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | 1 N/C + N/C + N/C XENT1192 |  | XACA28131 (1) | 0.635 |
|  | 4 mechanically interlocked between pairs | 1 N/O ZB2BE101 | - |  | XACA471 | 0.625 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | - |  | XACA481 | 0.675 |
|  | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/O ZB2BE101 | 1 N/C ZB2BE102 |  | XACA4713 (1) | 0.800 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | 1 N/C ZB2BE102 |  | XACA4813 (1) | 0.815 |
|  | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/O ZB2BE101 | 1 N/C + N/C + N/C XENT1192 |  | XACA47131 (1) | 0.835 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | 1 N/C + N/C + N/C XENT1192 |  | XACA48131 (1) | 0.850 |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

Pendant control stations

Double insulated, type XACA

For control circuits

Complete stations "ready for use"







XACA671 XACA681
XACA6714 XACA6814



XACA67141 XACA871
XACA68141 XACA881

For control of single-speed motors (continued)

| Functions | Number of operators | Contact block(s) and scheme | | Reference | Weight kg |
|---|---|--|----------------------------------|---------------|-----------|
| | | Per direction | For Emergency stop | | |
|  | 6 mechanically interlocked between pairs | 1 N/O ZB2BE101 | - | XACA671 | 0.860 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | - | XACA681 | 0.950 |
|  | 6 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/O ZB2BE101 | 1 N/C ZB2BE102 | XACA6713 (1) | 0.845 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | 1 N/C ZB2BE102 | XACA6813 (1) | 0.935 |
|  | 6 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/O ZB2BE101 | 1 N/C + N/C + N/C XENT1192 | XACA67141 (1) | 0.880 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | 1 N/C + N/C + N/C XENT1192 | XACA68141 (1) | 0.970 |
|  | 8 mechanically interlocked between pairs | 1 N/O on 7 operators ZB2BE101 and 1 N/C on the 8 th operator ZB2BE102 | - | XACA871 | 0.940 |
| | | 1 N/C + 1 N/O ZB2BE102 + ZB2BE101 | - | XACA881 | 1.045 |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

Pendant control stations

Double insulated, type XACA

For control circuits

Complete stations "ready for use"

For control of 2-speed motors

| Functions | Number of operators | Contact block(s) and scheme | Reference | Weight kg |
|-----------|--|--|-------------------------------|----------------------------|
| | | Per direction | For Emergency stop | |
| | 2 mechanically interlocked between pairs | 1 N/C + N/O + N/O staggered XENG1191 | - | XACA291 0.525 |
| | | | | |
| | 2 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 30 mm operator ZA2BS834 (1) | 1 N/C + N/O + N/O staggered XENG1191 | 1 N/C ZB2BE102 | XACA4913 (1) 0.570 |
| | | | | |
| | 1 N/C + N/O + N/O staggered ZA2BS834 (1) | 1 N/C + N/C + N/C XENT1192 | | XACA49131 (1) 0.605 |
| | | | | |
| | 4 mechanically interlocked between pairs | 1 N/C + N/O + N/O staggered XENG1191 | - | XACA491 0.625 |
| | | | | |
| | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/C + N/O + N/O staggered XENG1191 | 1 N/C + N/C + N/C XENT1192 | XACA49141 (1) 0.700 |
| | | | | |
| (a) | 4 mechanically interlocked between pairs | 1 N/C + N/O + N/O staggered (a) XENG1191 | - | XACA492 0.675 |
| (b) | | 1 N/O (b) ZB2BE101 | | |
| | | | | |
| | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/C + N/O + N/O staggered (a) XENG1191 | 1 N/C ZB2BE102 | XACA4923 (1) 0.700 |
| | | 1 N/O (b) ZB2BE101 | | |
| | | | | |
| | 1 N/C + N/O + N/O staggered (a) XENG1191 | 1 N/C + N/C + N/C XENT1192 | | XACA49231 (1) 0.735 |
| | | | | |
| | 1 N/O (b) ZB2BE101 | | | |
| | | | | |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

Pendant control stations

Double insulated, type XACA

For control circuits

Empty enclosures

530233



XACA02

530234



XACA03

530234



XACA12

Empty enclosures

| Description | Number of cut-outs | Reference | Weight kg |
|--|--------------------|------------|-----------|
| Enclosure comprising: - the enclosure, - internal mounting plate, - protective cable sleeve, - internal cable clamp, - suspension ring, - cable tie (for tightening sleeve onto cable). | 2 | XACA02 | 0.440 |
| | 3 | XACA03 (1) | 0.440 |
| | 4 | XACA04 | 0.540 |
| | 5 | XACA05 (1) | 0.625 |
| | 6 | XACA06 | 0.665 |
| | 8 | XACA08 | 0.770 |
| | 12 | XACA12 | 1.000 |

Variable composition stations, factory assembled

Use the order form on page 3/13 to define the required configuration.

Equipment: contact blocks, operating heads (control and signalling), complementary accessories

See separate components, page 30075/6

(1) Enclosures with 3 cut-outs XACA03 and 5 cut-outs XACA05 cannot be fitted with a mounting adaptor for base mounted units. The first cut-out can only be used for the Emergency stop function.



Pendant control stations

Double insulated, type XACA

For control circuits

Separate components and spare parts

530238



ZB2BE101
ZB2BE102

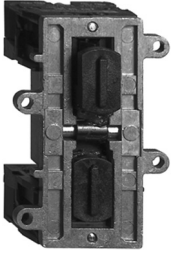
| Contact blocks for front mounting | | | | | |
|--|----------------------------------|-------------------------------|--------|-----------|-----------|
| Description | Application | Function | Scheme | Reference | Weight kg |
| Single block, spring return slow break | Single-speed | N/O | | ZB2BE101 | 0.015 |
| | | N/C | | ZB2BE102 | 0.015 |
| | N/C + N/O + N/O simultaneous (1) | | | XENG1491 | 0.040 |
| | 2-speed | N/C + N/O + N/O staggered (1) | | XENG1191 | 0.040 |
| Double block, latching slow break (2) | Single-speed | N/O | | XENG3781 | 0.060 |
| | | N/O | | XENG3791 | 0.060 |
| | | N/O | | XENG3791 | 0.060 |
| | | N/C | | XENG3791 | 0.060 |

530237



XENG1191
XENG1491

530236



XENG3781
XENG3791

530239



XENT1192

| Isolating switch, slow break, for front mounting | | | | | |
|--|----------------|---|--------|-----------|-----------|
| For mounting in enclosures | Application | Function | Scheme | Reference | Weight kg |
| XACA03 (frontal cut-out) XACA05, A06, A08 (frontal or base cut-out) | Emergency stop | N/C + N/C + N/C with positive opening operation | | XENT1192 | 0.050 |

(1) Only for use with XACA9●●● operators.

(2) Not suitable for use with the following operating heads: ZA2BB, ZA2BD, ZA2BG and ZA2BS.

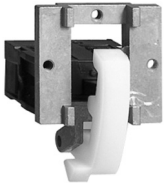
Pendant control stations

Double insulated, type XACA

For control circuits

Separate components and spare parts

530240



XACS10●

Contact blocks for base mounting

| Description | Function | Scheme | Reference | Weight kg |
|---------------------------------|-----------|--------|-----------|--------------|
| Spring return slow break (1) | N/O | | XACS101 | 0.030 |
| | N/C | | XACS102 | 0.030 |
| | N/O + N/O | | XACS103 | 0.045 |
| | N/C + N/C | | XACS104 | 0.045 |
| | N/C + N/O | | XACS105 | 0.045 |

PF110461



ZB2BV006

Pilot light bodies for front mounting

| Description | Supply voltage | Scheme | Reference | Weight kg |
|--|----------------|--------|-----------|--------------|
| Direct supply Bulb not included (2) | ≤ 400 V | | ZB2BV006 | 0.015 |

(1) Not suitable for use with 3-position operating heads ZA2BD and ZA2BG or for mounting in enclosures XACA039 and XACA03.

(2) Bulb type for use with direct supply units: BA 9s base fitting incandescent bulb $U \leq 130$ V or neon bulb 110 V $\leq U \leq 400$ V. Maximum power: 2.6 W, maximum \varnothing : 11 mm, maximum length: 28 mm. See [page 3/8](#).

Pendant control stations

Double insulated, type XACA

For control circuits

Separate components and spare parts

530243



XACA94●●

Operating heads for front mounting

| Description | Colour | Sold in lots of | Unit reference | Weight kg |
|-------------------------|--------|-----------------|----------------|-----------|
| Booted operators | White | 10 | XACA9411 | 0.010 |
| | Black | 10 | XACA9412 | 0.010 |
| | Green | 10 | XACA9413 | 0.010 |
| | Red | 10 | XACA9414 | 0.010 |
| | Yellow | 10 | XACA9415 | 0.010 |
| | Blue | 10 | XACA9416 | 0.010 |
| | Brown | 10 | XACA9419 | 0.010 |

3

530249



ZA2BS834

Operating heads for front or base mounting

| Description | Colour | Type | Reference | Weight kg |
|---|--------|--------------------------|-----------|-----------|
| Trigger action latching Emergency stop (1) Turn to release | Red | Ø 30 mm | ZA2BS834 | 0.040 |
| | | Ø 40 mm | ZA2BS844 | 0.050 |
| Trigger action latching Emergency stop (2) Key release (n° 455) Key withdrawal in rest (unactuated) position | Red | Ø 30 mm | ZA2BS934 | 0.060 |
| | | Ø 40 mm | ZA2BS944 | 0.065 |
| Selector switches (3), standard handle (Not to be used with XENG●●●● contact blocks) | Black | 2 position, stay put | ZA2BD2 | 0.018 |
| | | 3 position, stay put (4) | ZA2BD3 | 0.018 |
| Key switches (2) (key n° 455) Key withdrawal in left and right-hand position | – | 2 position, stay put | ZA2BG4 | 0.042 |
| | | 3 position, stay put (4) | ZA2BG5 | 0.042 |
| Key switch (2) (key n° 455) Key withdrawal in left-hand position | – | 2 position, stay put | ZA2BG2 | 0.042 |
| Key switch (2) (key n° 455) Spring return from right to left Key withdrawal in left-hand position | – | 2-position | ZA2BG6 | 0.042 |
| Key switch (4) (2) (key n° 455) Key withdrawal in centre position | – | 3 position, stay put | ZA2BG3 | 0.042 |
| Wobblesticks (5) Operates in all directions for fast stop | Black | – | ZA2BB2 | 0.060 |

DF539493



ZA2BS944

530245



ZA2BD●

530246



ZA2BG●

DF565529



ZA2BB2

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

(2) Other key numbers available on request, please consult our Customer Care Centre.

(3) Selector switches available with other mechanical functions, please consult our Customer Care Centre.

(4) Only suitable for front mounting.

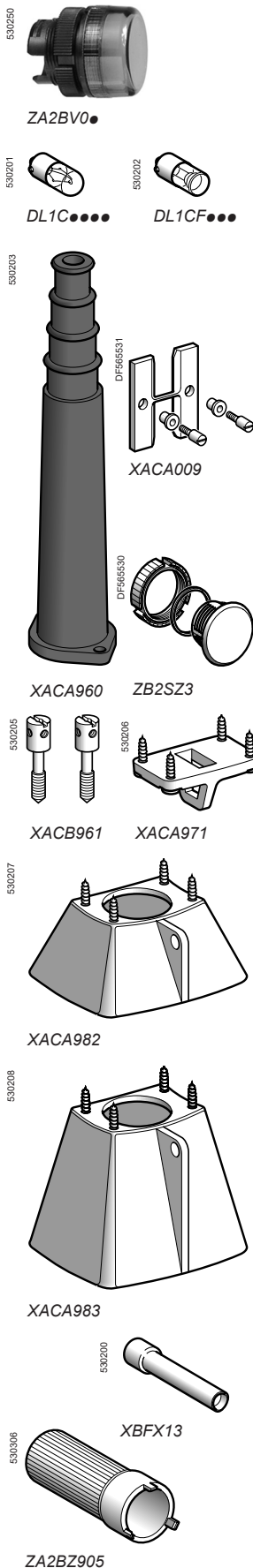
(5) Base mounting recommended.

Pendant control stations

Double insulated, type XACA

For control circuits

Separate components and spare parts



Pilot light heads

| Description | Colour | Reference | Weight kg |
|--|--------------------------------|-----------|-----------|
| For use with incandescent bulbs | | | |
| Lens cap with bezel and fixing nut | White | ZA2BV01 | 0.015 |
| | Green | ZA2BV03 | 0.015 |
| | Red | ZA2BV04 | 0.015 |
| | Yellow | ZA2BV05 | 0.015 |
| | Blue | ZA2BV06 | 0.015 |
| | Clear | ZA2BV07 | 0.015 |
| | For use with neon bulbs | | |
| Lens cap with bezel and fixing nut | Green | ZA2BV033 | 0.015 |
| | Red | ZA2BV043 | 0.015 |
| | Yellow | ZA2BV053 | 0.015 |
| | Clear | ZA2BV073 | 0.015 |

Bulbs

| Description | Voltage | Sold in lots of | Unit reference | Weight kg |
|---|---------|-----------------|----------------|-----------|
| Incandescent BA 9s base fitting Maximum power: 2.6 W Maximum Ø: 11 mm Maximum length: 28 mm | 6 V | 10 | DL1CB006 | 0.002 |
| | 12 V | 10 | DL1CE012 | 0.002 |
| | 24 V | 10 | DL1CE024 | 0.002 |
| | 48 V | 10 | DL1CE048 | 0.002 |
| | 130 V | 10 | DL1CE130 | 0.002 |
| Neon BA 9s base fitting Maximum power: 2.6 W Maximum Ø: 11 mm Maximum length: 28 mm | 110 V | 10 | DL1CF110 | 0.002 |
| | 230 V | 10 | DL1CF220 | 0.002 |
| | 400 V | 10 | DL1CF380 | 0.002 |

Complementary accessories, tools

| Description | Reference | Weight kg |
|---|---|----------------|
| Protective cable sleeve | For cable Ø 8 to 22 mm | XACA950 0.070 |
| | For cable Ø 8 to 26 mm | XACA960 0.090 |
| Mechanical interlock for 2 operators | With fixing screws | XACA009 0.003 |
| Blanking plug | With seal and fixing nut | ZB2SZ3 0.005 |
| Tightening tool for fixing nut | – | ZA2BZ905 0.060 |
| Adaptor for self-supporting cable type BBAP | Mounted with protective sleeve for cable Ø 8 to 26 mm | XACB961 0.025 |
| Lower support ring | – | XACA971 0.010 |
| Protective guards for base mounted units | For selector switch (standard handle) or Emergency stop head pushbutton | XACA982 0.025 |
| | For key switch or key release latching Emergency stop head pushbutton | XACA983 0.045 |
| Bulb extractor | For BA 9s base fitting bulbs | XBFX13 0.025 |



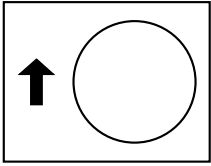
Pendant control stations

Double insulated, type XACA

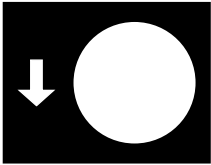
For control circuits

Legends 30 x 40 mm with symbols conforming to NF E 52-124

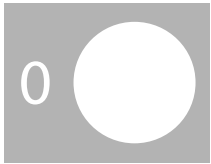
5342019



White background, black symbol

































Black background, white symbol



Red background, white symbol

3

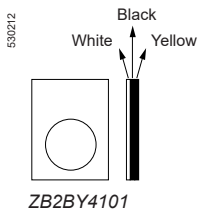
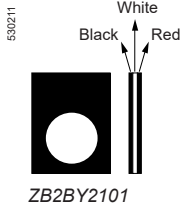
| Function Symbol | Reference | Weight kg | Function Symbol | Reference | Weight kg |
|---|-----------|-----------|--|-----------|-----------|
|  | ZB2BY4901 | 0.001 |  | ZB2BY2904 | 0.001 |
|  | ZB2BY4902 | 0.001 |  | ZB2BY2905 | 0.001 |
|  | ZB2BY4903 | 0.001 |  | ZB2BY2906 | 0.001 |
|  | ZB2BY4907 | 0.001 |  | ZB2BY2910 | 0.001 |
|  | ZB2BY4908 | 0.001 |  | ZB2BY2911 | 0.001 |
|  | ZB2BY4909 | 0.001 |  | ZB2BY2912 | 0.001 |
|  | ZB2BY4913 | 0.001 |  | ZB2BY2916 | 0.001 |
|  | ZB2BY4914 | 0.001 |  | ZB2BY2917 | 0.001 |
|  | ZB2BY4915 | 0.001 |  | ZB2BY2918 | 0.001 |
|  | ZB2BY4919 | 0.001 |  | ZB2BY2922 | 0.001 |
|  | ZB2BY4920 | 0.001 |  | ZB2BY2923 | 0.001 |
|  | ZB2BY4921 | 0.001 |  | ZB2BY2924 | 0.001 |
|  | ZB2BY4933 | 0.001 |  | ZB2BY4934 | 0.001 |
|  | ZB2BY4932 | 0.001 |  | ZB2BY4935 | 0.001 |
|  | ZB2BY4930 | 0.001 |  | ZB2BY2931 | 0.001 |

Pendant control stations

Double insulated, type XACA

For control circuits

Legends 30 x 40 mm



| Text | Reference | Weight kg | Text | Reference | Weight kg |
|---|---|-----------|---------------------------------------|-----------|-----------|
| <ul style="list-style-type: none"> ■ Start functions: white characters on black background ■ Stop functions: white characters on red background | | | | | |
| Blank | | | | | |
| Black or red background | ZB2BY2101 | 0.001 | White or yellow background | ZB2BY4101 | 0.001 |
| With English text | | | With French text | | |
| For pushbuttons | | | For pushbuttons | | |
| Start | ZB2BY2303 | 0.001 | Marche | ZB2BY2103 | 0.001 |
| Stop | ZB2BY2304 | 0.001 | Arrêt | ZB2BY2104 | 0.001 |
| Forward | ZB2BY2305 | 0.001 | Avant | ZB2BY2105 | 0.001 |
| Reverse | ZB2BY2306 | 0.001 | Arrière | ZB2BY2106 | 0.001 |
| Up | ZB2BY2307 | 0.001 | Montée | ZB2BY2107 | 0.001 |
| Down | ZB2BY2308 | 0.001 | Descente | ZB2BY2108 | 0.001 |
| Right | ZB2BY2309 | 0.001 | Droite | ZB2BY2109 | 0.001 |
| Left | ZB2BY2310 | 0.001 | Gauche | ZB2BY2110 | 0.001 |
| On | ZB2BY2311 | 0.001 | En service | ZB2BY2111 | 0.001 |
| Off | ZB2BY2312 | 0.001 | Hors service | ZB2BY2112 | 0.001 |
| Power on | ZB2BY2326 | 0.001 | Sous tension | ZB2BY2126 | 0.001 |
| Slow | ZB2BY2327 | 0.001 | Lent | ZB2BY2127 | 0.001 |
| Fast | ZB2BY2328 | 0.001 | Vite | ZB2BY2128 | 0.001 |
| Klaxon | ZB2BY2125 | 0.001 | Klaxon | ZB2BY2125 | 0.001 |
| For selector switches | | | For selector switches | | |
| - | - | 0.001 | Arrêt-Marche | ZB2BY2166 | - |
| Off-On | ZB2BY2367 | 0.001 | Hors-en | ZB2BY2167 | 0.001 |
| With special texts | | | | | |
| <ul style="list-style-type: none"> ■ Specify text when ordering, ■ 2 lines maximum, 11 characters per line. | | | | | |
| White characters on black background | ZB2BY2002 | 0.001 | Black characters on white background | ZB2BY4001 | 0.001 |
| White characters on red background | ZB2BY2004 | 0.001 | Black characters on yellow background | ZB2BY4005 | 0.001 |
| Other versions | Legends with texts in other languages. Please consult our Customer Care Centre. | | | | |

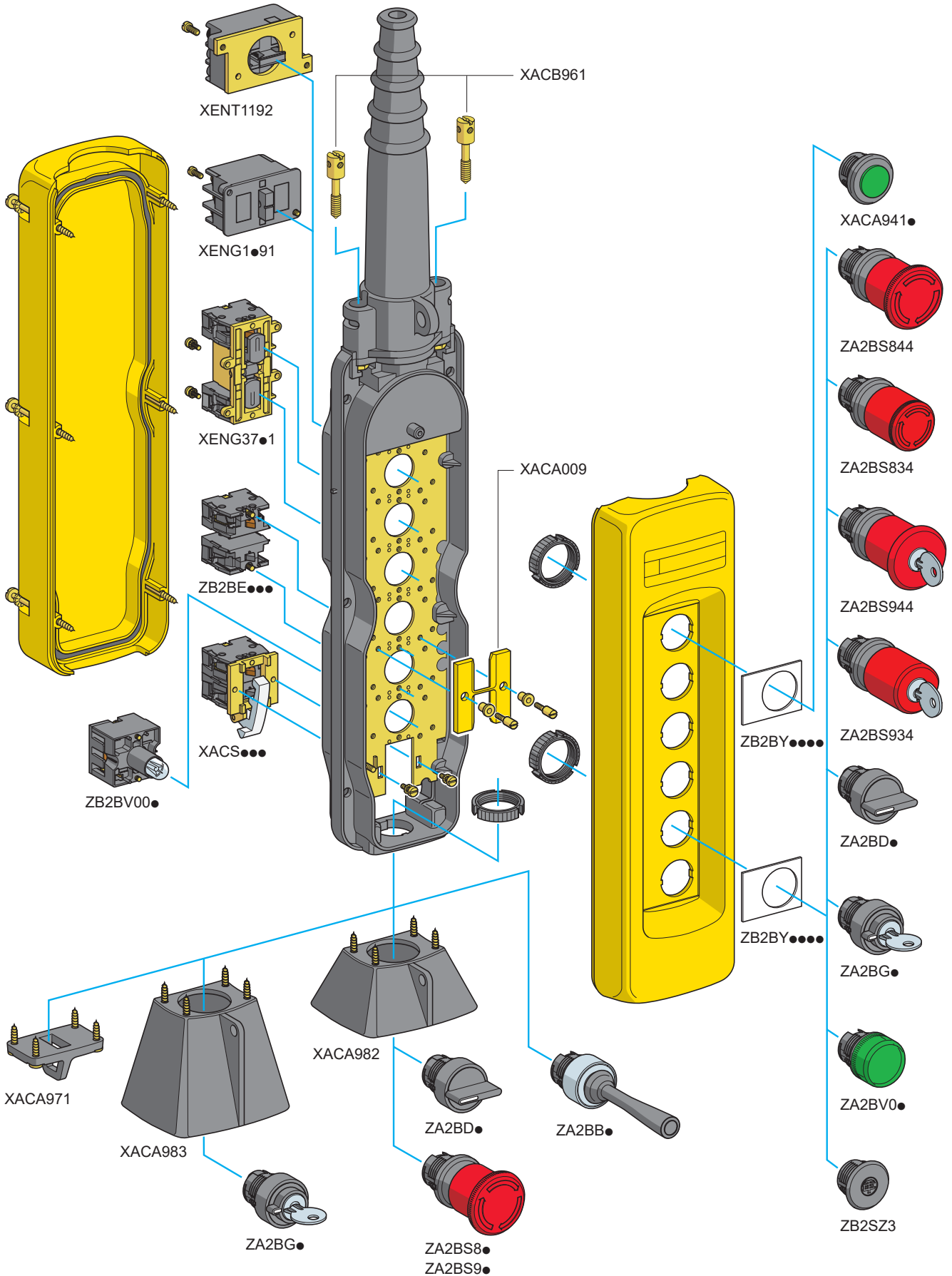
Pendant control stations

Double insulated, type XACA

For control circuits

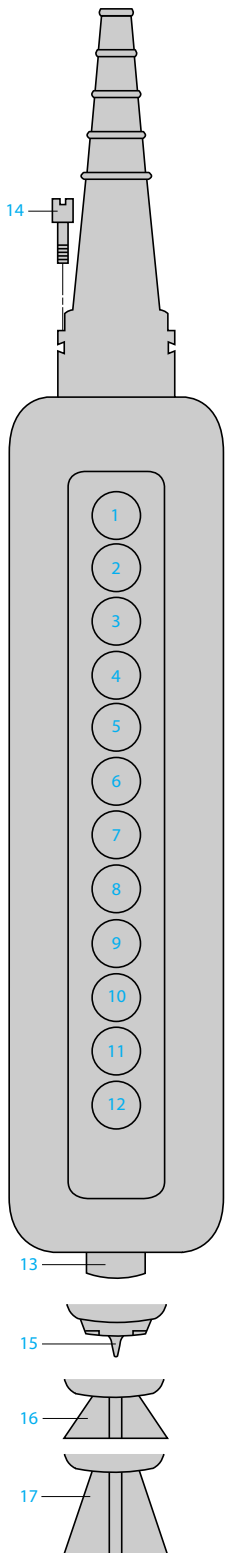
Variable composition stations, factory assembled

3



Pendant control stations

Double insulated, type XACA
For control circuits
Variable composition stations, factory assembled



| | | | | |
|-----------------|----------|---------------|--------------------------------------|----------|
| Customer | | | Schneider Electric Industries | |
| Company | Order N° | Delivery date | Sales office - Subsidiary Co. | Order N° |
| | | | | |

Enter the order with XACA09 reference

| | | |
|--|------------------------------|---------------------|
| Unit reference of empty enclosure, see page 30075/5 | Number of identical stations | Enclosure price (1) |
| XAC <input type="text" value="A"/> <input type="text" value=""/> <input type="text" value=""/> | | |

| Legends see page 30075/10 | | Contact blocks or pilot light bodies see page 30075/6 | | Operating heads or pilot light heads or blanking plug see page 30075/8 | | Total price |
|------------------------------|------------|--|------------|---|------------|-------------|
| Reference | Unit price | Reference | Unit price | Reference | Unit price | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |

Unit mounted in base of enclosure (if required) (Except when using XACA03 and XACA05)

| | | | | | | |
|----|--|--|--|--|--|--|
| 13 | | | | | | |
|----|--|--|--|--|--|--|

Complementary accessories, see page 30075/9 (cross the appropriate box or boxes)

| Description | <input checked="" type="checkbox"/> | Reference | Unit price |
|--|-------------------------------------|-----------|------------|
| 14 Adaptor for self-supporting cable type BBAP for use with cable entry sleeve Ø 8 to 26 mm | | XACB961 | |
| 15 Lower support ring | | XACA971 | |
| 16 Protective guard for selector switch (std. handle) or Emergency stop head pushbutton, mounted in base | | XACA982 | |
| 17 Protective guard for key switch or key release Emergency stop head pushbutton, mounted in base | | XACA983 | |

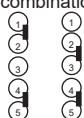
Mechanical interlocking (2)

| Reference | Quantity | Unit price |
|--|---------------------------------|---|
| XACA009 | | |
| Factory assembly: | | |
| Number of heads or blanking plugs to be fitted | <input type="text" value=""/> X | Additional cost XAC9VA for fitting of 1 head or 1 blanking plug |
| | | <input type="text" value=""/> |

Total price of assembled pendant station

(1) Obtain the empty enclosure price.
(2) Connect with a line the 2 ways which require mechanical interlocking.

Examples: combinations possible



Combinations not possible



Pendant control stations

Double insulated, type XACB
For power circuits (direct switching)
Complete stations "ready for use"



XACB219
XACB220

XACB3195
XACB3205



XACB491
XACB493

XACB4916
XACB4936

For control of single-speed motors

| Functions | Number of operators | Contact blocks Per direction | For Emergency stop | Maximum operational power/400 V | Reference | Weight kg |
|-----------|---|---------------------------------|------------------------------|---------------------------------|--------------------------|-----------|
| | 2 mechanically interlocked | 2-pole XESD1191(1) | – | 2.2 kW | XACB219 | 0.355 |
| | | 3-pole XESD2201(1) | – | 3 kW | XACB220 | 0.355 |
| | 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 | 2-pole XESD1191(1) | 1 N/C + N/C + N/C XACS499 | 2.2 kW | XACB3195 | 0.940 |
| | | 3-pole XESD2201(1) | 1 N/C + N/C + N/C XACS499 | 3 kW | XACB3205 | 1.000 |
| | 4 mechanically interlocked between pairs | 2-pole XESD1191(1) | – | 2.2 kW | XACB491 | 1.200 |
| | | 3-pole XESD2201(1) | – | 3 kW | XACB493 | 1.330 |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

▲ Available 4th quarter of 2013

Pendant control stations

Double insulated, type XACB
For power circuits (direct switching)
Complete stations "ready for use"

DF565573



XACB691
XACB693

| For control of single-speed motors (continued) | | | | | | |
|--|--|--------------------|--------------------|---------------------------------|-----------|-----------|
| Functions | Number of operators | Contact blocks | | Maximum operational power/400 V | Reference | Weight kg |
| | | Per direction | For Emergency stop | | | |
| | 6 mechanically interlocked between pairs | 2-pole XESD1191(1) | - | 2.2 kW | XACB691 | 1.350 |

DF565574



XACB6916
XACB6936

DF565575



XACB6915
XACB6935

| For control of 2-speed motors | | | | | | |
|-------------------------------|----------------------------|--------------------|--------------------|---------------------------------|-----------|-----------|
| Functions | Number of operators | Contact blocks | | Maximum operational power/400 V | Reference | Weight kg |
| | | Per direction | For Emergency stop | | | |
| | 2 mechanically interlocked | 2-pole XESD1291(1) | - | 2.2 kW | XACB229 | 0.405 |

| | | | | | | |
|---|--------------------|---------------------------|---|--------|------------|-------|
| 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 | 2-pole XESD1291(1) | 1 N/C + N/C + N/C XACS499 | - | 2.2 kW | XACB3295 ▲ | 0.990 |
|---|--------------------|---------------------------|---|--------|------------|-------|

DF565576



XACB229

DF565577



XACB3295

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

▲ Available 4th quarter of 2013

Pendant control stations

Double insulated, type XACB

For power circuits

Empty enclosures

DF56580



XACB02●●

22189SE



XACB04●●

3

DF56582



XACB06●●

22189SE



XACB08●●

DF56584



XACB12●●

DF56585



XACB120

Empty enclosures for control circuits or power circuits (1)

| Description | Protective cable sleeve | Number of cut-outs | Cut-out in base of enclosure | Reference | Weight kg |
|--|-------------------------|-------------------------|------------------------------|--------------------------|-------------------------|
| Empty enclosures (1) Double insulated for "Small hoist" applications Operator cut-out centres: 40 mm | For cable Ø 7...13 mm | 2 | Without | XACB020 | 0.760 |
| | | 3 | Without | XACB030 | 0.760 |
| Empty enclosures (1) Double insulated for "General purpose" applications Operator cut-out centres: 40 mm | For cable Ø 10...22 mm | 2 | Without | XACB02 | 0.760 |
| | | | With | XACB021 | 0.760 |
| | | 4 | Without | XACB04 | 1.000 |
| | | | With | XACB041 | 1.000 |
| | | 6 | Without | XACB06 | 1.160 |
| | | | With | XACB061 | 1.160 |
| | | 8 | Without | XACB08 | 1.330 |
| | | | With | XACB081 | 1.330 |
| 12 in 2 rows of 6 | Without | XACB12 | 1.460 | | |
| | With | XACB121 | 1.460 | | |
| For cable Ø 22...35 mm | | 2 | Without | XACB025 | 0.960 |
| | | | 4 | Without | XACB045 |
| | | 4 | With | XACB0415 | 1.200 |
| | | | 6 | Without | XACB065 |
| | | 8 | Without | XACB085 | 1.530 |
| | | | With | XACB0815 | 1.530 |
| | | 12 in 2 rows of 6 | Without | XACB125 | 1.660 |
| | | | With | XACB1215 | 1.660 |

Empty enclosures for control circuits (1)

| Description | Protective cable sleeve | Number of cut-outs | Cut-out in base of enclosure | Reference | Weight kg |
|--|-------------------------|--------------------|------------------------------|--------------------------|-----------|
| Empty enclosures (1) Double insulated for "General purpose" applications Operator cut-out centres: 30 mm | For cable Ø 10...22 mm | 12 in 1 row | Without | XACB120 | 1.330 |
| | | | With | XACB1201 | 1.330 |
| | For cable Ø 22...35 mm | 12 in 1 row | Without | XACB1205 | 1.530 |

Variable composition stations, factory assembled

Use the order form on [page 3/24](#) to define the required configuration

Equipment: contact blocks, operating heads (control and signalling), complementary accessories

(1) Enclosure comprising:

- the enclosure,
- protective cable sleeve,
- cable tie (for tightening sleeve onto cable): for cable Ø 7...13 mm, Ø 10...22 mm or Ø 22...35 mm,
- internal cable clamp,
- suspension ring,
- bezel tightening key.

Pendant control stations

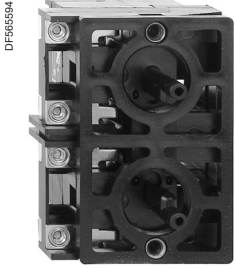
Double insulated, type XACB

For power circuits (direct switching)

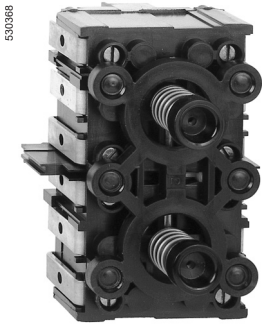
Separate components and spare parts

Contact blocks, snap action

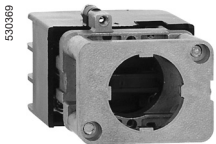
| Description | Application | Function | Max. power/400 V | Scheme | Reference | Weight kg |
|--|--------------|--|------------------|--------|-----------------|-----------|
| Double block 2-pole 2 spring return operators mechanically interlocked (operator centres: 40 mm) | Single-speed | N/O + N/O | 2.2 kW | | XESD1191 | 0.140 |
| | 2-speed | N/O + N/O + 1 C/O staggered auxiliary contact (1) | 2.2 kW | | XESD1291 | 0.190 |
| Double block 3-pole 2 spring return operators mechanically interlocked (operator centres: 40 mm) | Single-speed | N/O + N/O + N/O | 3 kW | | XESD2201 | 0.200 |
| | | N/O + N/O + N/O + 1 N/O simultaneous auxiliary contact (1) | 3 kW | | XESD2241 | 0.210 |



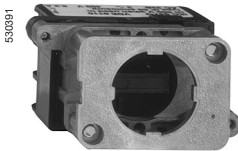
XESD1191



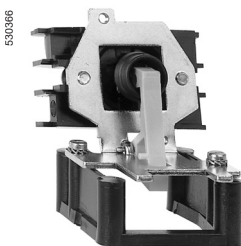
XESD2201



XACS399



XACS499



XACS399

Isolating block, slow break

In the interests of safety, it is imperative that these isolating blocks only be used with a stay put or latching type operating head to ensure complete isolation when the pendant station is not in use.

| Mounting position | Application | Function | Max. power/400 V | Scheme | Reference | Weight kg |
|-------------------------------|----------------|---|------------------|--------|----------------|-----------|
| On front 40 mm centres (2) | Emergency stop | N/C + N/C + N/C with positive opening operation | 3 kW | | XACS399 | 0.100 |
| On front 30 mm centres (2) | Emergency stop | N/C + N/C + N/C with positive opening operation | 3 kW | | XACS499 | 0.100 |

- (1) Auxiliary contacts are slow break.
- (2) Mounting with operating heads ZA2B●●●, except ZA2BD● and ZA2BG● (see page 3/19).
- (3) Mounting with operating head ZA2BS944 (see page 3/19).



Pendant control stations

Double insulated, type XACB

Fo power circuits

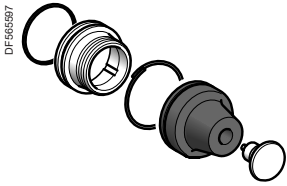
Separate components and spare parts



XACB911●

| Booted operators | | | | | | | |
|----------------------------|--------|-----------------------|-----------------------|-----------------|----------------|-----------|-------|
| For use with contact block | Travel | Operating temperature | Colour of insert | Sold in lots of | Unit reference | Weight kg | |
| XENB●●●● | 4 mm | - 25...+ 70 °C (1) | White | 10 | XACB9111 | 0.005 | |
| XENC●●●● | | | Black | 10 | XACB9112 | 0.005 | |
| XEND●●●● | | | Green | 10 | XACB9113 | 0.005 | |
| XESB2011 | | | Red | 10 | XACB9114 | 0.005 | |
| XESD2201 | | | Yellow | 10 | XACB9115 | 0.005 | |
| XESD2241 | | | Blue | 10 | XACB9116 | 0.005 | |
| XESD2251 | | | - 40...+ 70 °C (2) | White | 10 | XACB9121 | 0.005 |
| | | | Black | 10 | XACB9122 | 0.005 | |
| | | | Yellow | 10 | XACB9125 | 0.005 | |

3



XACB921●

| | | | | | | | |
|----------|-------|-----------------------|-----------------------|-------|----------|----------|-------|
| XESD1181 | 16 mm | - 25...+ 70 °C (1) | White | 10 | XACB9211 | 0.005 | |
| XESD1191 | | | Black | 10 | XACB9212 | 0.005 | |
| XESD1281 | | | Green | 10 | XACB9213 | 0.005 | |
| XESD1291 | | | Red | 10 | XACB9214 | 0.005 | |
| | | | Yellow | 10 | XACB9215 | 0.005 | |
| | | | Blue | 10 | XACB9216 | 0.005 | |
| | | | - 40...+ 70 °C (2) | White | 10 | XACB9221 | 0.005 |
| | | | Black | 10 | XACB9222 | 0.005 | |
| | | | Green | 10 | XACB9223 | 0.005 | |
| | | | Yellow | 10 | XACB9225 | 0.005 | |
| | Blue | 10 | XACB9226 | 0.005 | | | |



ZA2BP●

| Booted operators (silicone boot) | | | | |
|----------------------------------|-----------------------|----------------|-----------|-----------|
| For use with contact block | Operating temperature | Colour of boot | Reference | Weight kg |
| XACS41● | - 25...+ 70 °C | Blue | ZA2BP6 | 0.015 |

(1) Polychloroprene boots.

(2) Silicone boots.

Pendant control stations

Double insulated, type XACB

For power circuits

Separate components and spare parts



ZA2BS844



ZA2BS944



ZA2BD●



ZA2BG●



ZA2BB2

Operating heads for front or base mounting (1)

| Description | Colour | Type | Reference | Weight kg |
|--|--------|--------------------------|--------------------------|-----------|
| Trigger action latching Emergency stop (2) | Red | Ø 30 mm | ZA2BS834 | 0.028 |
| Turn to release (Emergency stop function) | | Ø 40 mm | ZA2BS844 | 0.033 |
| Trigger action latching Emergency stop (2) (3) | Red | Ø 30 mm | ZA2BS934 | 0.060 |
| Key release (n° 455) | | Ø 40 mm | ZA2BS944 | 0.065 |
| Key withdrawal in rest (unactuated) position (Emergency stop function) | | | | |
| Selector switches, standard handle (4) | Black | 2 position, stay put | ZA2BD2 | 0.018 |
| | | 3 position, stay put (5) | ZA2BD3 | 0.018 |
| Key switches (key n° 455) (3) | – | 2 position, stay put | ZA2BG4 | 0.042 |
| Key withdrawal in left and right-hand positions | | 3 position, stay put (5) | ZA2BG5 | 0.042 |
| Key switches (key n° 455) (3) | – | 2 position, stay put | ZA2BG2 | 0.042 |
| Key withdrawal in left-hand position | | | | |
| Key switches (key n° 455) (3) | – | 2 position | ZA2BG6 | 0.042 |
| Spring return from right to left | | | | |
| Key withdrawal in left-hand position | | | | |
| Key switches (key n° 455) (4) (3) | – | 3 position, stay put (5) | ZA2BG3 | 0.042 |
| Key withdrawal in centre position | | | | |
| Wobblesticks (6) | Black | – | ZA2BB2 | 0.060 |
| Operates in all directions for fast stop | | | | |

Pilot light heads

| Description | Colour | Reference | Weight kg |
|--|--------|--------------------------|-----------|
| For use with incandescent bulbs | | | |
| Lens cap with fixing bezel | White | ZA2BV01 | 0.015 |
| | Green | ZA2BV03 | 0.015 |
| | Red | ZA2BV04 | 0.015 |
| | Yellow | ZA2BV05 | 0.015 |
| | Blue | ZA2BV06 | 0.015 |
| | Clear | ZA2BV07 | 0.015 |
| For use with neon bulbs | | | |
| Lens cap with fixing bezel | Green | ZA2BV033 | 0.015 |
| | Red | ZA2BV043 | 0.015 |
| | Yellow | ZA2BV053 | 0.015 |
| | Clear | ZA2BV073 | 0.015 |

(1) The technical characteristics of pendant control stations XACB can only be guaranteed by using the operating heads ZA2B●● listed above.

(2) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

(3) Other key numbers available on request, please consult our Customer Care Centre.

(4) Selector switches or key switches with other mechanical functions: please consult our Customer Care Centre.

(5) Only suitable for front mounting.

(6) Base mounting recommended.



ZA2BV0●

Pendant control stations

Double insulated, type XACB

For power circuits

Separate components and spare parts

530307



DL1C●●●●

Bulbs

| Description | Voltage | Sold in lots of | Unit reference | Weight kg |
|--|---------|-----------------|----------------|-----------|
| Incandescent BA 9s base fitting Maximum power: 2.6 W Maximum Ø: 11 mm Maximum length: 28 mm | 6 V | 10 | DL1CB006 | 0.002 |
| | 12 V | 10 | DL1CE012 | 0.002 |
| | 24 V | 10 | DL1CE024 | 0.002 |
| | 48 V | 10 | DL1CE048 | 0.002 |
| | 130 V | 10 | DL1CE130 | 0.002 |
| Neon BA 9s base fitting Maximum power: 2.6 W Maximum Ø: 11 mm Maximum length: 28 mm | 120 V | 10 | DL1CF110 | 0.002 |
| | 230 V | 10 | DL1CF220 | 0.002 |
| | 400 V | 10 | DL1CF380 | 0.002 |

530308



DL1CF●●●●

Accessories for booted operators

| Description | Travel | Material/ Colour | Operating temperature | Sold in lots of | Unit reference | Weight kg |
|---|--------|------------------|-----------------------|-----------------|----------------|-----------|
| Boots with circlip, without coloured insert | 4 mm | Polychloroprene | - 25...+ 70° C | 10 | XACB911 | 0.002 |
| | | Silicone | - 40...+ 70° C | 10 | XACB912 | 0.002 |
| | 16 mm | Polychloroprene | - 25...+ 70° C | 10 | XACB921 | 0.002 |
| | | Silicone | - 40...+ 70° C | 10 | XACB922 | 0.002 |
| Coloured inserts for booted operators (4 and 16 mm travel) | | White | – | 10 | XACB901 | 0.001 |
| | | Black | – | 10 | XACB902 | 0.001 |

530311



XACB91●

530310



XACB92●

530309



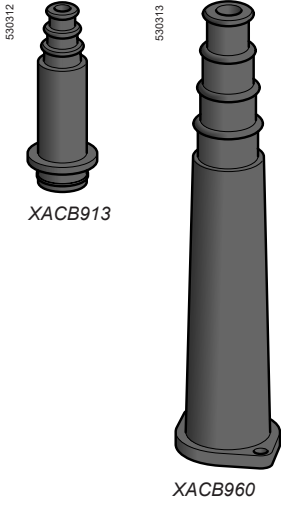
XACB90●

Pendant control stations

Double insulated, type XACB

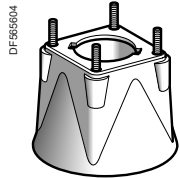
For control or power circuits

Separate components and spare parts

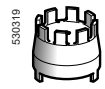


XACB913

XACB960



XACB982



XACX905

Complementary accessories

| Description | For use with | Diameter of cable | Reference | Weight kg |
|---|--|-------------------|-------------------------|-----------|
| Protective cable sleeve with cable tie (for tightening sleeve onto cable) | Enclosures XACB219 and XACB220 (2 operators) | Ø 7...13 mm | XACB913 | 0.065 |
| | Enclosures XACB●●● with 4 to 12 operators | Ø 10...22 mm | XACB960 | 0.110 |
| Blanking plug with seal and fixing nut | — | | ZB2SZ3 | 0.005 |
| Adaptor for use with protective cable sleeve for cable Ø 10...22 mm | Self-supporting cable type BBAP | | XACB961 | 0.025 |
| Protective guards for base mounted units | Emergency stop pushbutton | | XACB982 | 0.050 |

Tools

| Description | For use with | Reference | Weight kg |
|-----------------------|------------------------------------|-------------------------|-----------|
| Tightening key | Units mounted in base of enclosure | XACX905 | 0.015 |
| Bulb extractor | BA 9s base fitting bulbs | XBFX13 | 0.003 |

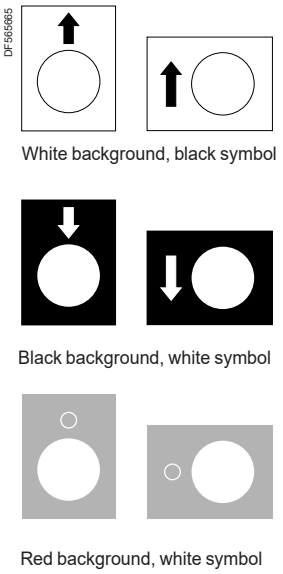
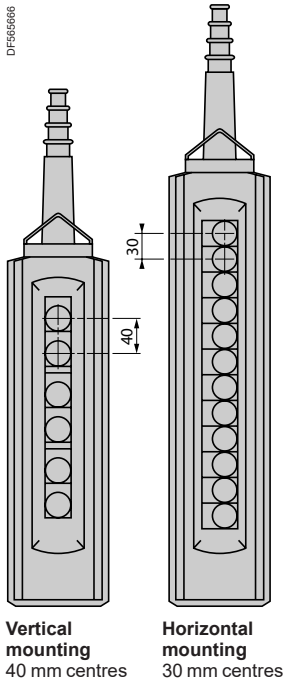


Pendant control stations

Double insulated, type XACB

For control or power circuits

Legends 30 x 40 mm (with symbols conforming to NF E 52-124)



| Symbol Reference | Symbol | Reference | Weight kg |
|--|--------|------------------|-----------|
| Vertical mounting 40 mm centres | | | |
| Horizontal mounting 30 mm centres | | | |
| Raise, slow | | ZB2BY4951 | 0.001 |
| Raise, fast | | ZB2BY4952 | 0.001 |
| Raise, slow-fast | | ZB2BY4953 | 0.001 |
| Right, slow | | ZB2BY4901 | 0.001 |
| Right, fast | | ZB2BY4902 | 0.001 |
| Right, slow-fast | | ZB2BY4903 | 0.001 |
| Forward, slow | | ZB2BY4963 | 0.001 |
| Forward, fast | | ZB2BY4964 | 0.001 |
| Forward, slow-fast | | ZB2BY4965 | 0.001 |
| Slew right, slow | | ZB2BY4919 | 0.001 |
| Slew right, fast | | ZB2BY4920 | 0.001 |
| Slew right, slow-fast | | ZB2BY4921 | 0.001 |
| Slow | | ZB2BY4933 | 0.001 |
| Klaxon | | ZB2BY4982 | 0.001 |
| Start | | ZB2BY4980 | 0.001 |

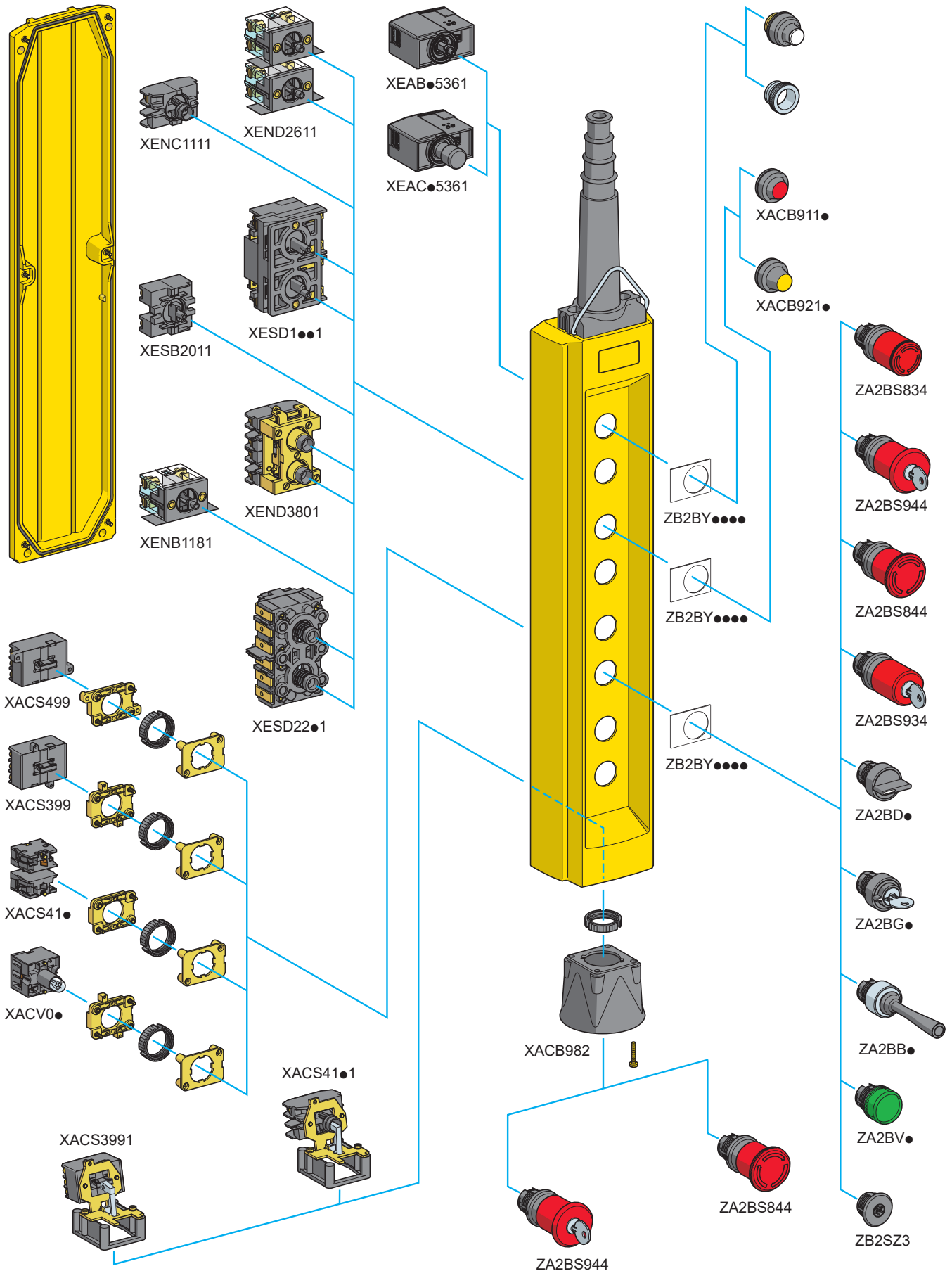
| Symbol Reference | Symbol | Reference | Weight kg |
|--|--------|------------------|-----------|
| Vertical mounting 40 mm centres | | | |
| Horizontal mounting 30 mm centres | | | |
| Lower, slow | | ZB2BY2954 | 0.001 |
| Lower, fast | | ZB2BY2955 | 0.001 |
| Lower, slow-fast | | ZB2BY2956 | 0.001 |
| Left, slow | | ZB2BY2904 | 0.001 |
| Left, fast | | ZB2BY2905 | 0.001 |
| Left, slow-fast | | ZB2BY2906 | 0.001 |
| Reverse, slow | | ZB2BY2966 | 0.001 |
| Reverse, fast | | ZB2BY2967 | 0.001 |
| Reverse, slow-fast | | ZB2BY2968 | 0.001 |
| Slew left, slow | | ZB2BY2922 | 0.001 |
| Slew left, fast | | ZB2BY2923 | 0.001 |
| Slew left, slow-fast | | ZB2BY2924 | 0.001 |
| Fast | | ZB2BY4934 | 0.001 |
| Start-Klaxon | | ZB2BY4985 | 0.001 |
| Stop | | ZB2BY2931 | 0.001 |

Pendant control stations

Double insulated, type XACB

For control or power circuits

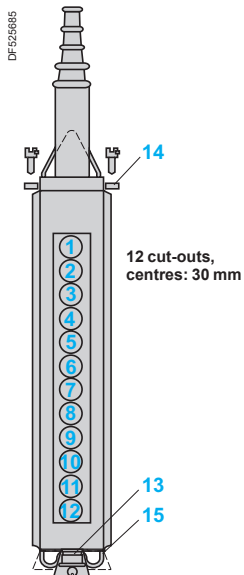
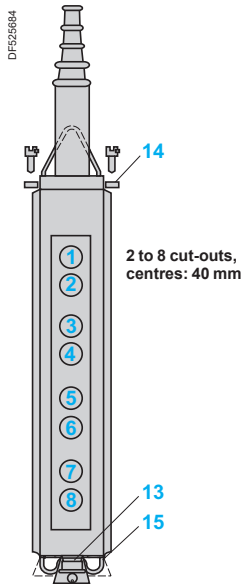
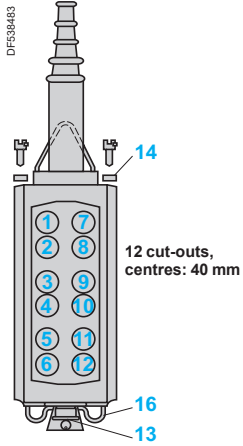
Variable composition stations, factory assembled



Pendant control stations

Double insulated, type XACB
For control or power circuits
Variable composition stations, factory assembled

3



| | | | | |
|-----------------|----------|---------------|--------------------------------------|----------|
| Customer | | | Schneider Electric Industries | |
| Company | Order N° | Delivery date | Sales office - Subsidiary Co. | Order N° |
| | | | | |

Enter the order with XACB09 reference

| | | |
|--|-------------------------------------|----------------------------|
| Unit reference of empty enclosure see page 30076/5 | Number of identical stations | Enclosure price (1) |
| XAC B 0 9 | | |

| | | |
|-------------------------------------|---|---|
| Legends see page 30076/17 | Contact blocks or pilot light bodies see page 30076/6 | Operating heads or pilot light heads or blanking plug see page 30076/11 |
|-------------------------------------|---|---|

| Reference | Unit price | Reference | Unit price | Reference | Unit price | Total price |
|-----------|------------|-----------|------------|-----------|------------|-------------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |

Unit mounted in base of enclosure (if required)

| | | | | | | |
|----|--|--|--|--|--|--|
| 13 | | | | | | |
|----|--|--|--|--|--|--|

Factory assembled:

Number of heads or blanking plugs to be fitted

X

Additional cost XAC9VA for fitting of 1 head or 1 blanking plug

Complementary accessories, see page 30076/14 (cross the appropriate box or boxes)

| Description | <input checked="" type="checkbox"/> | Reference | Unit price |
|--|-------------------------------------|-----------|------------|
| 14 Adaptor for self-supporting cable type BBAP for use with cable entry sleeve Ø 10 to 22 mm | | XACB961 | |
| 15 Lower support ring for single row enclosures | | XACB971 | |
| 15 Lower support ring for 2 row enclosures | | XACB972 | |
| 16 Protective guard for key release latching mushroom head pushbutton, mounted in base | | XACB982 | |

Total price of assembled pendant station

(1) Obtain the empty enclosure price.

■ Product reference index..... 4/2

| | | | | | | | |
|-----------|-------------|-----------|------|-------------|--------------|-----------|--------------------|
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| DL1CE012 | 3/9 3/20 | XACA49231 | 3/4 | XACB3295 | 3/15 | XEDS2121 | 2/5 |
| DL1CE024 | 3/9 3/20 | XACA671 | 3/3 | XACB491 | 3/14 | XEDS2231 | 2/5 |
| DL1CE048 | 3/9 3/20 | XACA6713 | 3/3 | XACB493 | 3/14 | XEDS3111 | 2/5 |
| DL1CE130 | 3/9 3/20 | XACA67141 | 3/3 | XACB691 | 3/15 | XEDS3121 | 2/5 |
| DL1CF110 | 3/9 3/20 | XACA681 | 3/3 | XACB901 | 3/20 | XEDS3231 | 2/5 |
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