



FIBOX

Enclosing innovations



Fibox Solid P

FIBOX SOLID P

Applications:

- Industry
- Shipyards
- Breweries
- Public utilities
- Oil refineries
- Steel works
- Petro-chemical plants



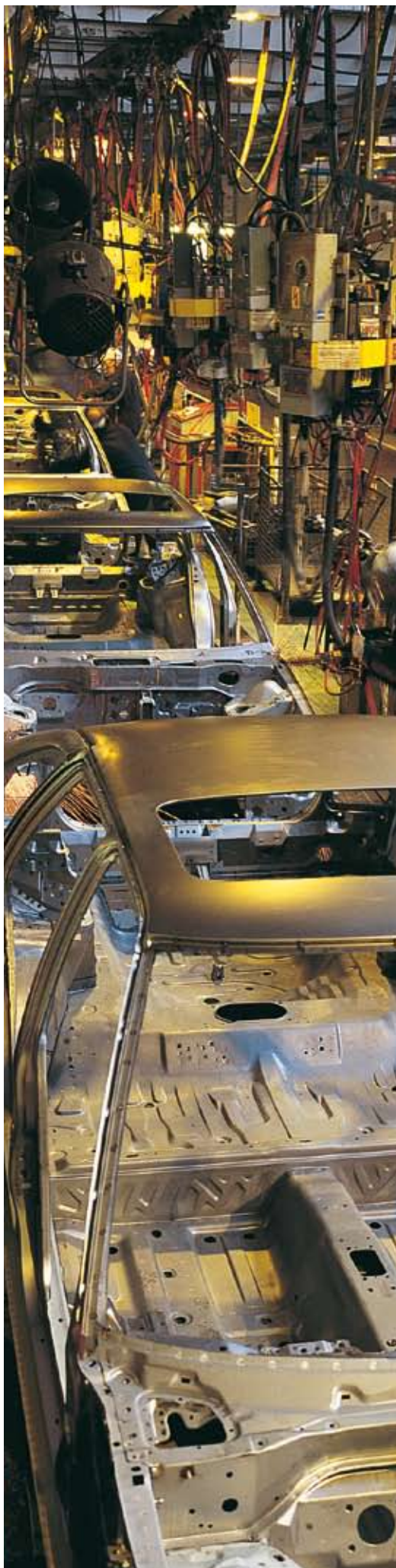
SOLID P Technical information

Property	Polyester (GRP)	Conformity to standards
Ingress Protection (EN 60529) *	IP 67 with grey P covers IP 66 with transparent PC covers IP 65 with P603005-R and P 603011-R covers	Europe Empty enclosures for low-voltage switchgear and controlgear assemblies EN 62208:2003 (50298:1998) Europe Low-Voltage switchgear and controlgear assemblies EN 60439-1 RoHS directive 2002/95/EC
Impact Resistance (EN 62262)	IK 10	
Temperature Range (short term)	Celsius -50°...150°C - with P cover	
	Fahrenheit -60°...300°F	
Temperature Range (continuous)	Celsius -40°...120°C - with PC cover or window	
	Fahrenheit -40°...250°F	
Temperature Range (continuous)	Celsius -40°...70°C - with P cover	
	Fahrenheit -40°...160°F	
Electrical Insulation	Celsius -40°...80°C - with PC cover or window	
	Fahrenheit -40°...175°F	
Light Grey Parts Colour	Totally insulated ☐	
Transparent PC Cover	RAL 7035 Industry Grey	
Gasket	Clear transparent	
Glow Wire Test (IEC 695-2-1) Self-extinguishing (PC)	PUR	
Non-toxicity	960°C	
UV resistance	Halogen Free	
Chemical Resistance **	UL 508 720 hours in "Weatherometer"	
	Good	

Data subject to change without notice.

* Use of accessories may change the IP rating, please check details on pages 14 and 15

** Consult separate raw material data for more detailed information



Solid P modular polyester enclosures for indoor and outdoor applications.

Solid P enclosure system consists of 9 different sizes ranging from 185 x 150 x 130 mm to 600 x 600 x 175 mm. The system is based on the 185 and 300 mm modules. The unique modular concept of Solid P makes it possible to produce a number of different types of enclosure solutions. Each individual panel is constructed from a multiple combination of smaller units.

Solid P enclosure bases are made of grey (RAL 7035), hot moulded glass fibre reinforced polyester, dyed in mass. These bases come complete with M4 threaded inserts (Dodge) for fixing a mounting plate or mounting frame. Four to six blind holes for M6 threaded inserts are also provided in each base. Standard base height is 130 mm where 35 mm or 60 mm extension frames can be fitted. The Solid P bases are available with smooth sides for single applications or with flange openings for panel building. Standard enclosure cover height is 45 mm. Covers are made of either clear transparent polycarbonate (PC) or opaque grey (RAL 7035) hot moulded glass fibre reinforced polyester (P), dyed in mass.

Solid P enclosures provide optimum security for both operators and equipment featuring total insulation and protection degree IP 67 according to IEC 60529 and EN 60529. Protection degree IK 10 against external mechanical impacts according to EN 62262 and IEC 62262.

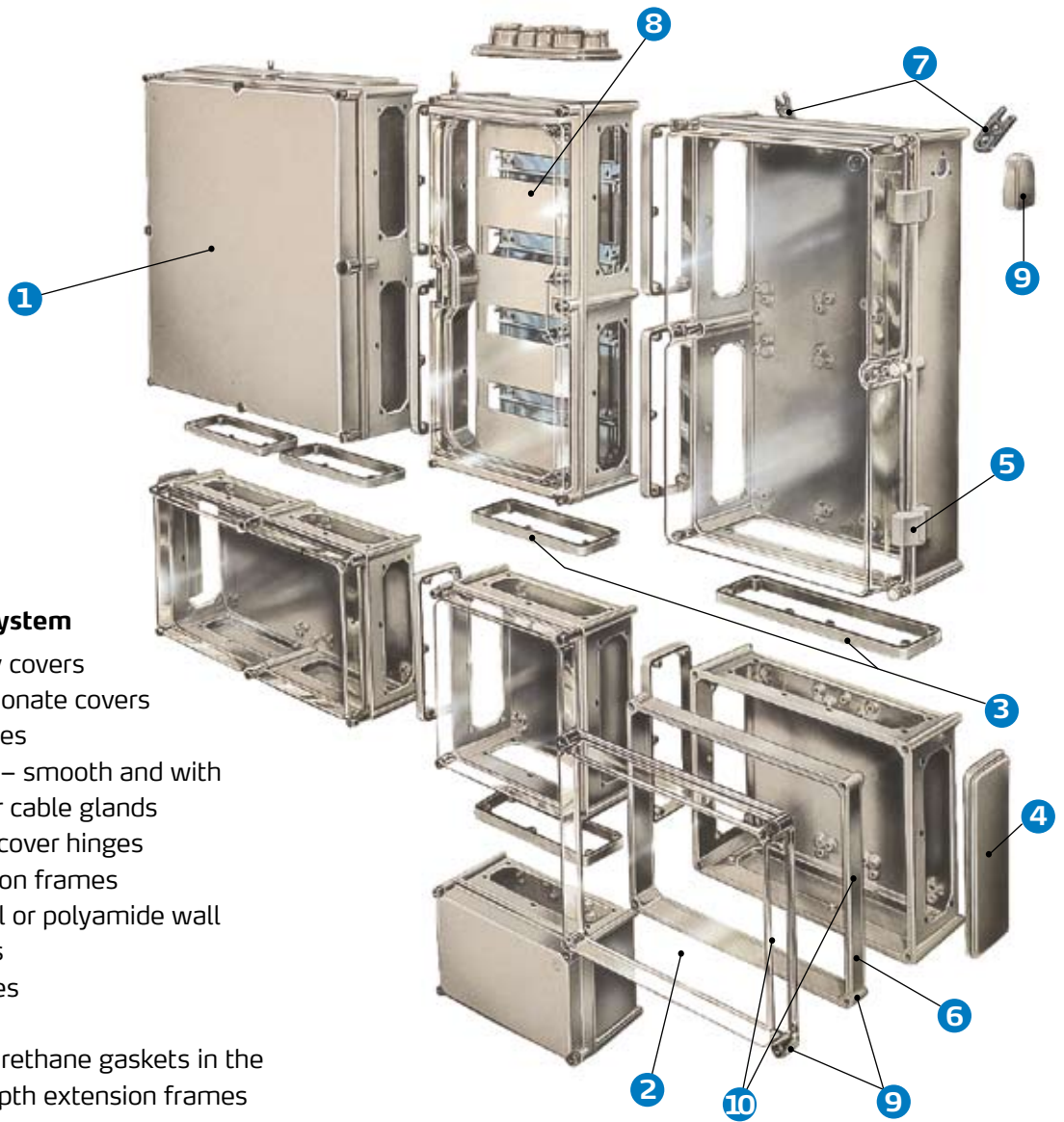
Solid P enclosures have versatile service conditions: polyester enclosures can withstand continuous temperatures from -40°C up to 70°C (peak temperatures up to 150°C) and the transparent polycarbonate cover up to 80°C (peak temperatures up to 120°C).

Solid P is designed for demanding environments, it is corrosion resistant and maintenance free. Designed for both wall and pole mounting. Enclosures are resistant to majority of solvents and substances, they are halogen-free and RoHS compliant.

The Solid P enclosure can be readily worked using conventional tools such as drills, cutting mills, saws and punchers, etc.

Rated insulation voltage $U_i=1000V$

Wide range of accessories for Solid P available please contact Fibox.

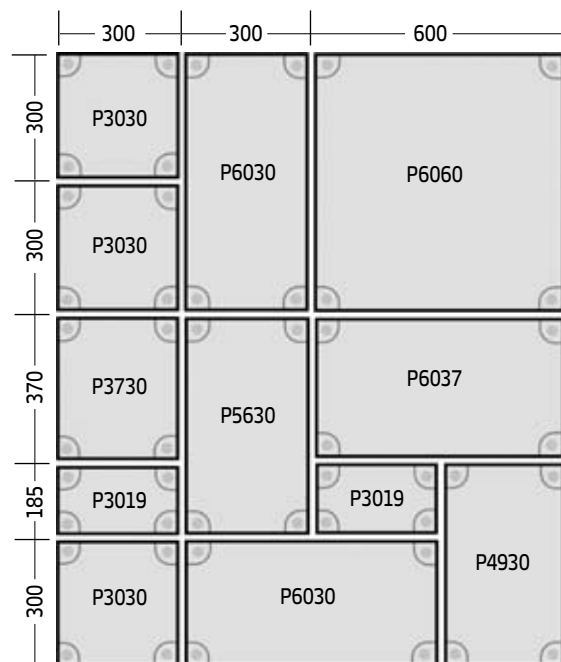


Modular panel system

- 1 Polyester grey covers
- 2 Clear polycarbonate covers
- 3 Coupling frames
- 4 Flange plates – smooth and with knock-outs for cable glands
- 5 Non-metallic cover hinges
- 6 Depth extension frames
- 7 Stainless steel or polyamide wall mounting lugs
- 8 DIN-rail frames
- 9 Ventilators
- 10 Foamed polyurethane gaskets in the covers and depth extension frames

Modular-constructed panel system

The unique modular concept of Solid P enclosures enables mounting of different standard functions in coupled enclosures.



SOLID P P1915

185 x 150 IP 67, IK 10

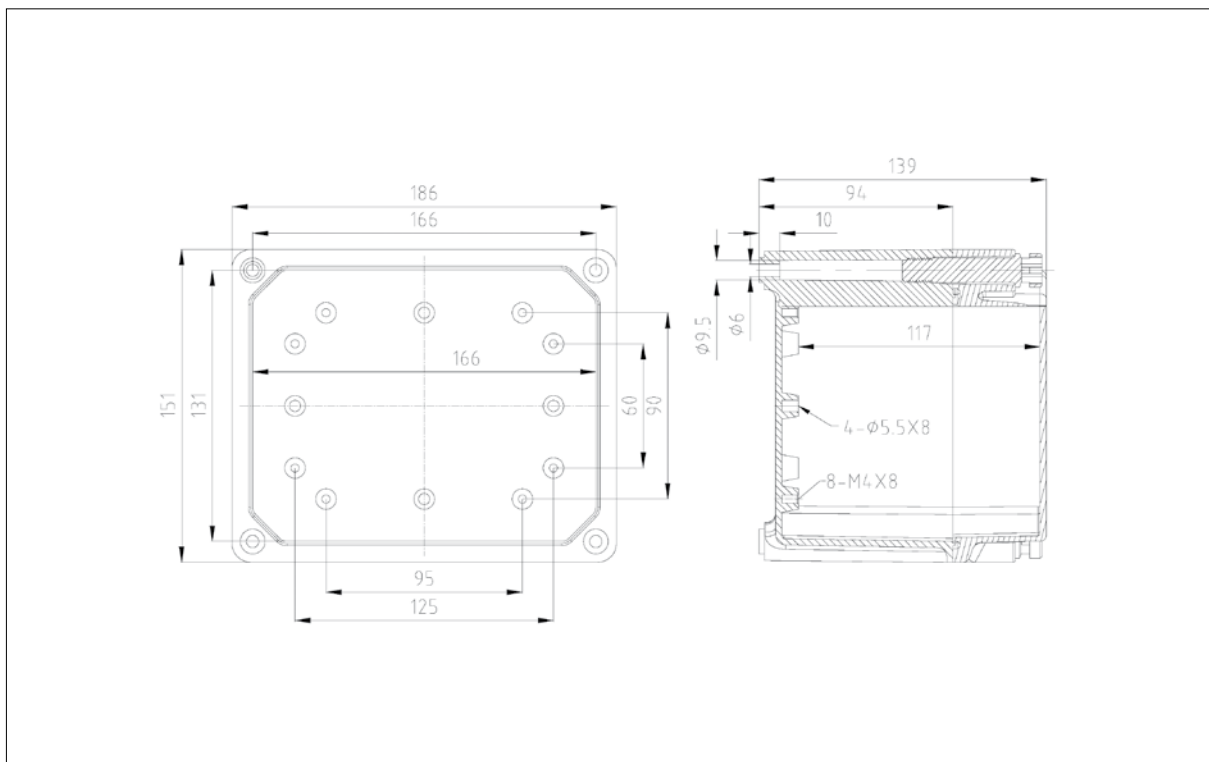


Enclosures

Order symbol	Code	Dimensions mm	Description
P 191513 G	8855209	185 x 150 x 130	Polyester enclosure, grey cover, IP 67
P 191513 T	8855218	185 x 150 x 130	Polyester enclosure, transparent PC cover, IP 66
P 191509	8856200	185 x 150 x 85	Polyester base
P 191505 G	8856209	185 x 150 x 45	Polyester cover, grey, IP 67
P 191505 T	8856218	185 x 150 x 45	Polycarbonate cover, transparent, IP 66

Accessories

Order symbol	Code	Dimensions mm	Description
MP 1915	8856244	134 x 99	Mounting plate, steel, 2 mm
MPX 1915	8856253	140 x 105	Mounting plate, Pertinax, 5 mm
EXTP 1915	8856040	185 x 150 x 35	Depth extension frame with screws, IP 66



SOLID P P3019

300 x 185 IP 67, IK 10

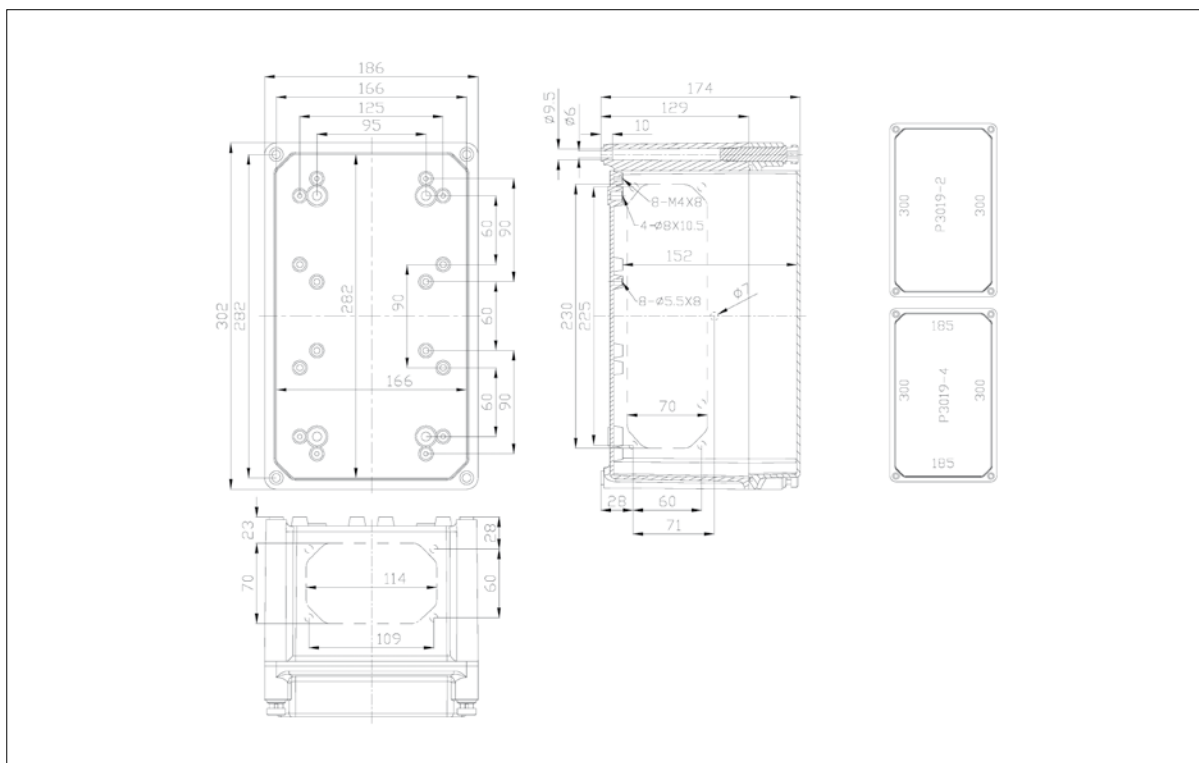


Enclosures

Order symbol	Code	Dimensions mm	Description
P 301918 G	8855210	300 x 185 x 175	Polyester enclosure, grey cover, IP 67
P 301918 T	8855219	300 x 185 x 175	Polyester enclosure, transparent PC cover, IP 66
P 301918 HT	8855228	300 x 185 x 175	Polyester enclosure, cover with transparent hinged PC window, IP 67
P 301913	8856201	300 x 185 x 130	Polyester base
P 301913-2	8856009	300 x 185 x 130	Polyester base, with 2 openings
P 301913-4	8856017	300 x 185 x 130	Polyester base, with 4 openings
P 301905 G	8856210	300 x 185 x 45	Polyester cover, grey, IP 67
P 301905 T	8856219	300 x 185 x 45	Polycarbonate cover, transparent, IP 66
P 301905 HT	8856228	300 x 185 x 45	Polyester cover with transparent hinged PC window, IP 67

Accessories

Order symbol	Code	Dimensions mm	Description
MP 3019	8856245	249 x 134	Mounting plate, steel, 2 mm
MPX 3019	8856254	228 x 139	Mounting plate, Pertinax, 5 mm
EXTP 3019	8856041	300 x 185 x 35	Depth extension frame, with screws, IP 66
DRF 1930-1	8856265		DIN-rail frame with front plate, 1x14 modules, earth terminals
DRF 3019-2	8856266		DIN-rail frame with front plate, 2x7 modules, earth terminals



SOLID P P3030

300 x 300 IP 67, IK 10

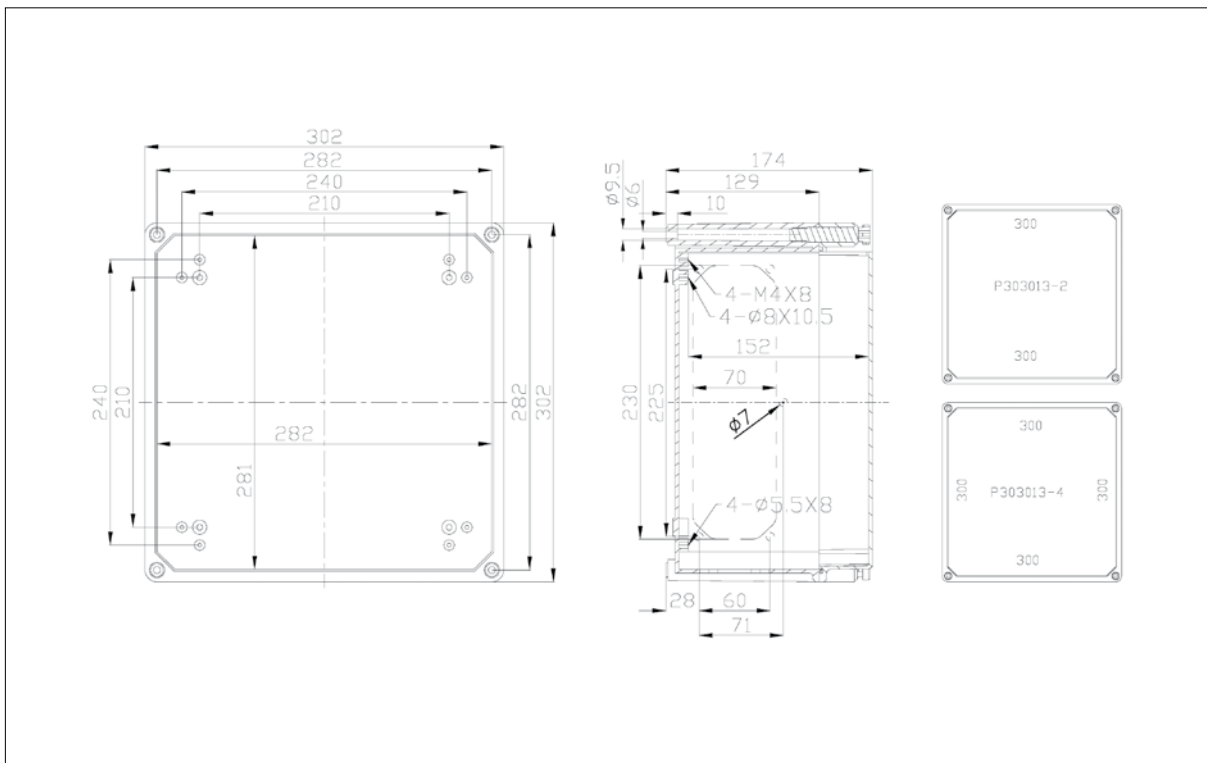


Enclosures

Order symbol	Code	Dimensions mm	Description
P 303018 G	8855211	300 x 300 x 175	Polyester enclosure, grey cover, IP 67
P 303018 T	8855220	300 x 300 x 175	Polyester enclosure, transparent PC cover, IP 66
P 303018 HT	8855229	300 x 300 x 175	Polyester enclosure, cover with transparent hinged PC window, IP 67
P 303013	8856202	300 x 300 x 130	Polyester base
P 303013-2	8856010	300 x 300 x 130	Polyester base, with 2 openings
P 303013-4	8856018	300 x 300 x 130	Polyester base, with 4 openings
P 303005 G	8856211	300 x 300 x 45	Polyester cover, grey, IP 67
P 303005 T	8856229	300 x 300 x 45	Polycarbonate cover, transparent, IP 66
P 303005 HT	8856220	300 x 300 x 45	Polyester cover with transparent hinged PC window, IP 67

Accessories

Order symbol	Code	Dimensions mm	Description
MP 3030	8856246	249 x 249	Mounting plate, steel, 2 mm
MPX 3030	8856255	254 x 228	Mounting plate, Pertinax, 5 mm
EXTP 3030	8856042	300 x 300 x 35	Depth extension frame, with screws, IP 66
DRF 3030-1	8856267		DIN-rail frame with front plate, 1x14 modules, earth terminals
DRF 3030-2	8856268		DIN-rail frame with front plate, 2x14 modules, earth terminals



SOLID P P3730

370 x 300 IP 67, IK 10

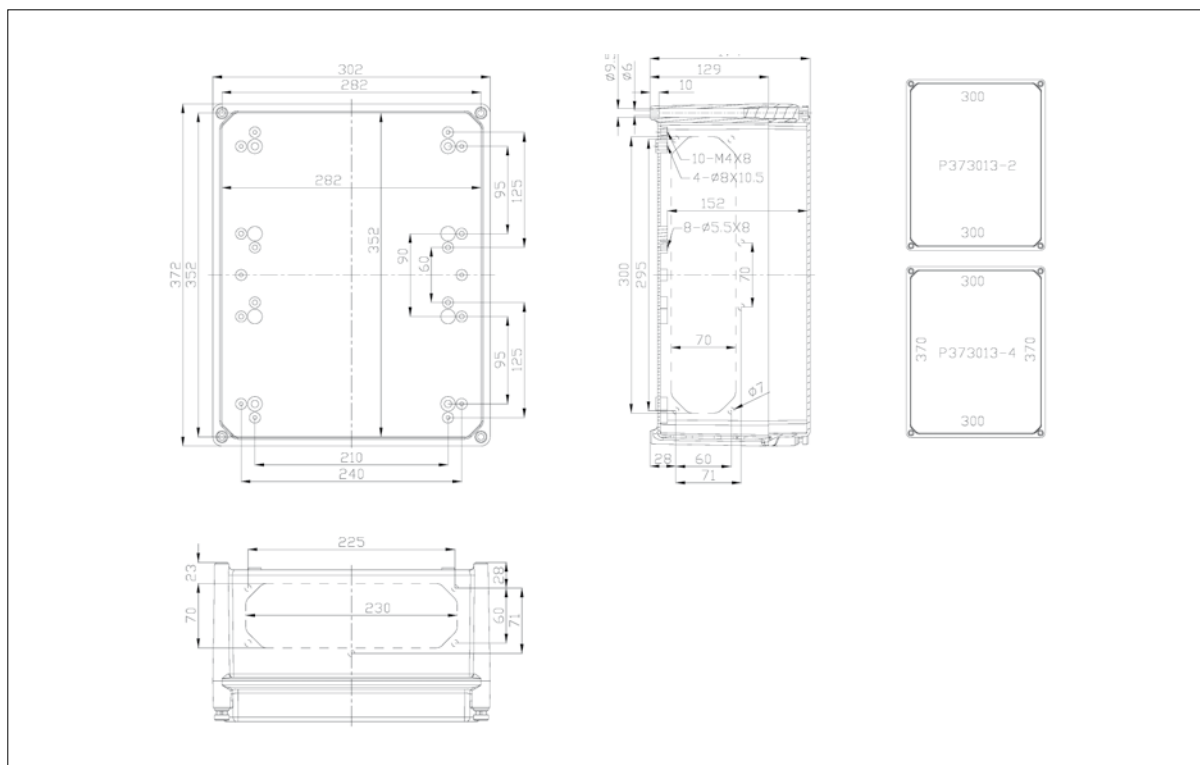


Enclosures

Order symbol	Code	Dimensions mm	Description
P 373018 G	8855212	370 x 300 x 175	Polyester enclosure, grey cover, IP 67
P 373018 T	8855221	370 x 300 x 175	Polyester enclosure, transparent PC cover, IP 66
P 373018 HT	8855230	370 x 300 x 175	Polyester enclosure, cover with transparent hinged PC window, IP 67
P 373013	8856203	370 x 300 x 130	Polyester base
P 373013-2	8856011	370 x 300 x 130	Polyester base, with 2 openings
P 373013-4	8856019	370 x 300 x 130	Polyester base, with 4 openings
P 373005 G	8856212	370 x 300 x 45	Polyester cover, grey, IP 67
P 373005 T	8856221	370 x 300 x 45	Polycarbonate cover, transparent, IP 66
P 373005 HT	8856230	370 x 300 x 45	Polyester cover with transparent hinged PC window, IP 67

Accessories

Order symbol	Code	Dimensions mm	Description
MP 3730	8856247	319 x 249	Mounting plate, steel, 2 mm
MPX 3730	8856256	298 x 254	Mounting plate, Pertinax, 5 mm
EXTP 3730	8856043	370 x 300 x 35	Depth extension frame, with screws, IP 66
DRF 3730-2	8856269		DIN-rail frame with front plate, 2x14 modules, earth terminals



SOLID P P4930

485 x 300 IP 67, IK 10

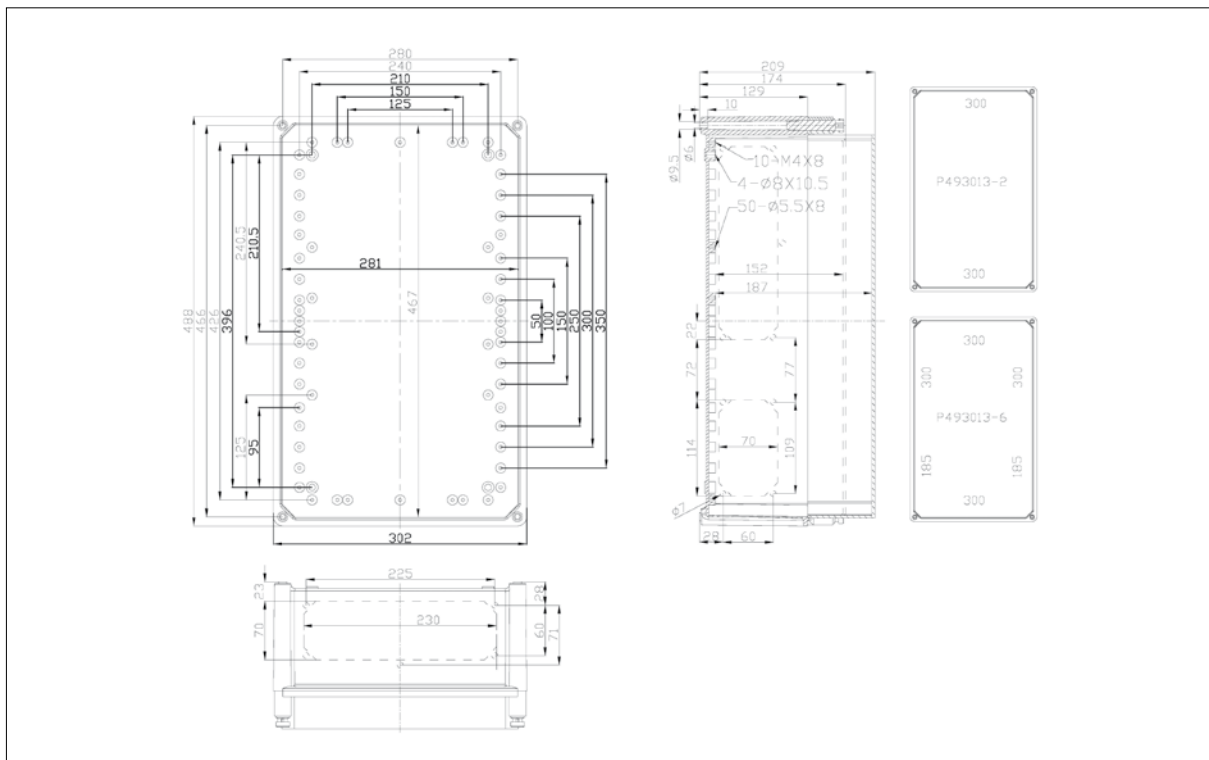


Enclosures

Order symbol	Code	Dimensions mm	Description
P 493018 G	8855213	485 x 300 x 175	Polyester enclosure, grey cover, IP 67
P 493021 T	8855222	485 x 300 x 210	Polyester enclosure, transparent PC cover, IP 66
P 493018 HT	8855231	485 x 300 x 175	Polyester enclosure, cover with transparent hinged PC window, IP 67
P 493013	8856204	485 x 300 x 130	Polyester base
P 493013-2	8856012	485 x 300 x 130	Polyester base, with 2 openings
P 493013-6	8856020	485 x 300 x 130	Polyester base, with 6 openings
P 493005 G	8856213	485 x 300 x 45	Polyester cover, grey, IP 67
P 493008 T	8856222	485 x 300 x 80	Polycarbonate cover, transparent, IP 66
P 493005 HT	8856231	485 x 300 x 45	Polyester cover with transparent hinged PC window, IP 67

Accessories

Order symbol	Code	Dimensions mm	Description
MP 4930	8856248	435 x 249	Mounting plate, steel, 2 mm
MPX 4930	8856257	413 x 254	Mounting plate, Pertinax, 5 mm
DRF 4930-3	8856270		DIN-rail frame with front plate, 3x14 modules, earth terminals



SOLID P P5630

555 x 300 IP 67, IK 10

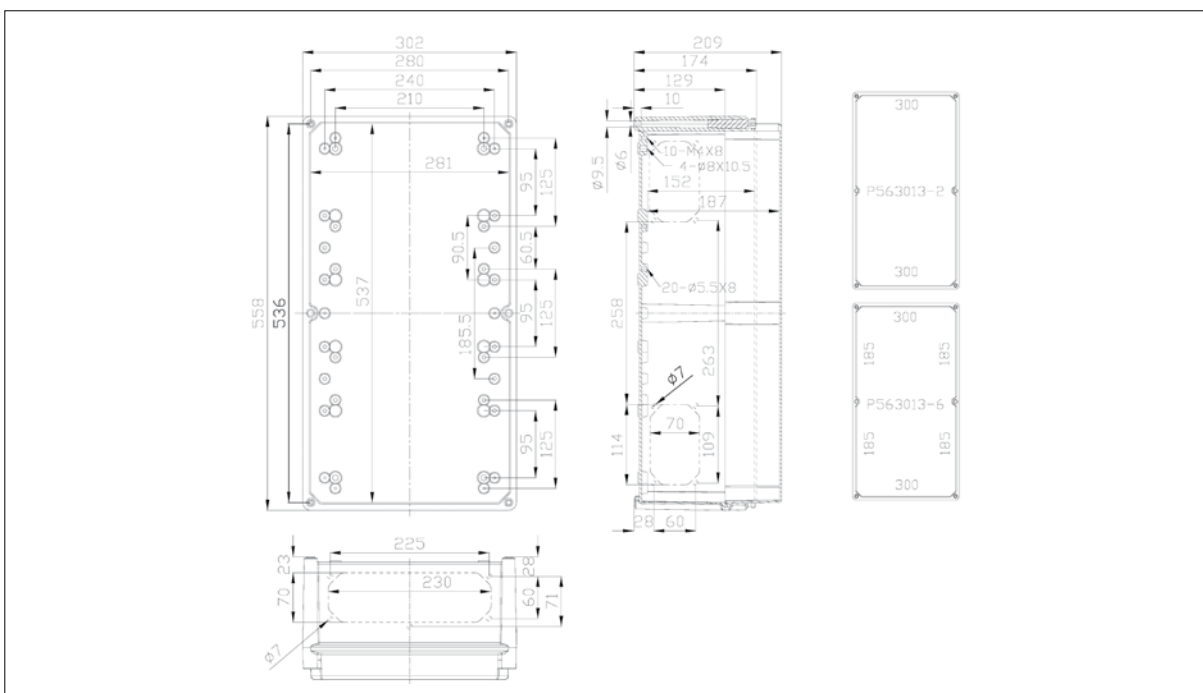


Enclosures

Order symbol	Code	Dimensions mm	Description
P 563018 G	8855214	555 x 300 x 175	Polyester enclosure, grey cover, IP 67
P 563021 T	8855223	555 x 300 x 210	Polyester enclosure, transparent PC cover, IP 66
P 563013	8856205	555 x 300 x 130	Polyester base
P 563013-2	8856013	555 x 300 x 130	Polyester base, with 2 openings
P 563013-6	8856021	555 x 300 x 130	Polyester base, with 6 openings
P 563005 G	8856214	555 x 300 x 45	Polyester cover, grey, IP 67
P 563008 T	8856223	555 x 300 x 80	Polycarbonate cover, transparent, IP 66

Accessories

Order symbol	Code	Dimensions mm	Description
MP 5630	8856249	505 x 249	Mounting plate, steel, 2 mm
MPX 5630	8856258	484 x 254	Mounting plate, Pertinax, 5 mm
EXTP 5630	8856044	555 x 300 x 60	Depth extension frame, with screws IP 66



SOLID P P6030

600 x 300 IP 67, IK 10

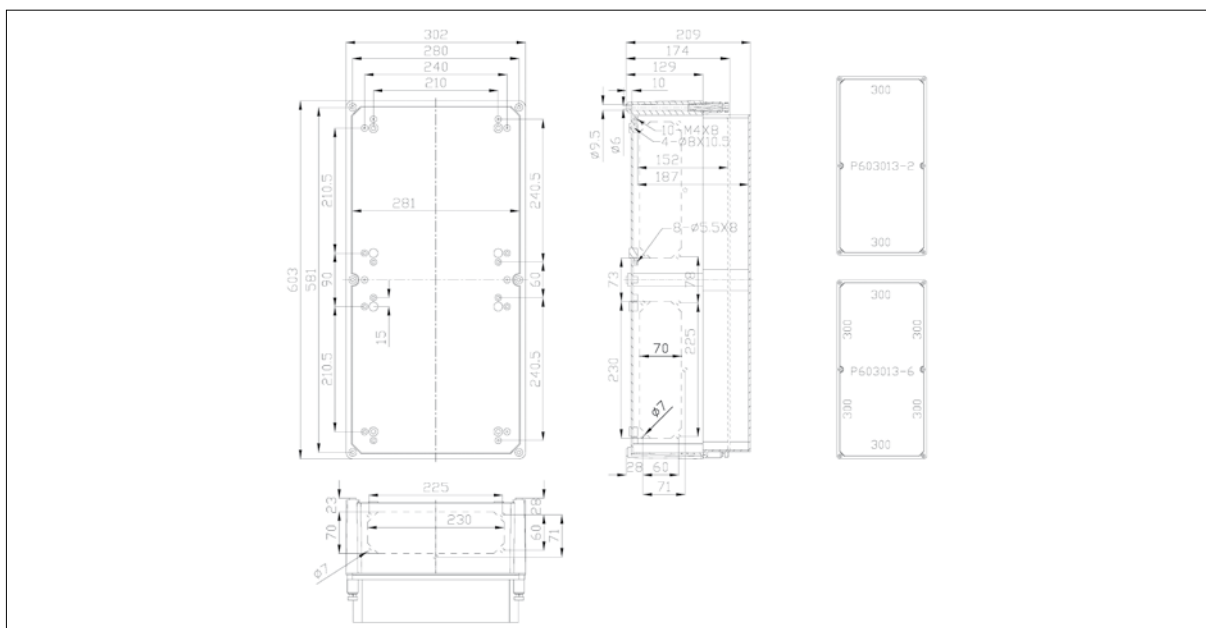


Enclosures

Order symbol	Code	Dimensions mm	Description
P 603018 G	8855215	600 x 300 x 175	Polyester enclosure, grey cover, IP 67
P 603018 T	8855225	600 x 300 x 175	Polyester enclosure, transparent PC cover, IP 66
P 603021 T	8855224	600 x 300 x 210	Polyester enclosure, transparent PC cover, IP 66
P 603018 HT	8855232	600 x 300 x 175	Polyester enclosure, cover with transparent hinged PC window, IP 67
P 603013	8856206	600 x 300 x 130	Polyester base
P 603013-2	8856014	600 x 300 x 130	Polyester base, with 2 openings
P 603013-6	8856022	600 x 300 x 130	Polyester base, with 6 openings
P 603005 G	8856215	600 x 300 x 45	Polyester cover, grey, IP 67
P 603005 T	8856225	600 x 300 x 45	Polycarbonate cover, transparent, IP 66
P 603008 T	8856224	600 x 300 x 80	Polycarbonate cover, transparent, IP 66
P 603005 HT	8856232	600 x 300 x 45	Polyester cover with transparent hinged PC window, IP 67
P 603005-R	8854104	600 x 300 x 45	Polyester cover, grey, with window for kWh meter, IP 65
P 603011-R	8852111	600 x 300 x 105	Polyester cover, grey, with window for kWh meter, IP 65

Accessories

Order symbol	Code	Dimensions mm	Description
MP 6030	8856250	550 x 249	Mounting plate, steel, 2 mm
MPX 6030	8856259	528 x 254	Mounting plate, Pertinax, 5 mm
EXTP 6030	8856045	600 x 300 x 60	Depth extension frame, with screws, IP 66
DRF 6030-3	8856271		DIN-rail frame with front plate, 3x14 modules, earth terminals
DRF 6030-4	8856272		DIN-rail frame with front plate, 4x14 modules, earth terminals



SOLID P Accessories

Order symbol	Code	Description
Cover screws		
CS 56243	8856243	Cross head, single
MBS 56243-4	8856234	Cross head, set of 4
MBS 56243-6	8856235	Cross head, set of 6
MB 56244	8856273	Finger grips for cover screws, set of 2
MBS 56240	8856240	Hinged, set of 2
MB 10478	8851016	Spanner for triangular cover screws
MB 10479	8851260	Sealing plate, set of 2
MBS 10480	8852016	Triangular, sealing, set of 2, for hinged covers
MBS 10481	8851262	Triangular, sealing, set of 2, for screwed cover
Mounting screws and threaded inserts		
MPS S3	8856262	Mounting screw set (4 pcs) for MP/MPX 1915, 3019, 3030
MPS M5	8856263	Mounting screw set (6 pcs) for MP/MPX 3730, 4930, 5630, 6030, 6037
MPS L1	8856264	Mounting screw set (8 pcs) for MP 6060
MR M4DI	8856241	Threaded insert, M4
MR M6DI	8856242	Threaded insert, M6
Mounting plates, Galvanized steel, sheet thickness 2 mm		
MP 1915	8856244	134 x 99 mm
MP 3019	8856245	249 x 134 mm
MP 3030	8856246	249 x 249 mm
MP 3730	8856247	319 x 249 mm
MP 4930	8856248	435 x 249 mm
MP 5630	8856249	505 x 249 mm
MP 6030	8856250	550 x 249 mm
MP 6037	8856251	550 x 319 mm
MP 6060	8856252	550 x 555 mm
Mounting plates, Pertinax, sheet thickness 5 mm		
MPX 1915	8856253	140 x 105 mm
MPX 3019	8856254	228 x 139 mm
MPX 3030	8856255	254 x 228 mm
MPX 3730	8856256	298 x 254 mm
MPX 4930	8856257	413 x 254 mm
MPX 5630	8856258	484 x 254 mm
MPX 6030	8856259	528 x 254 mm
MPX 6037	8856260	528 x 324 mm
MPX 6060	8856261	555 x 555 mm
Wall mounting		
FP 56236	8856236	Wall fastening lug, polyamid, set of 4
FP 56237	8856237	Wall fastening lug, steel, set of 4
Spacers for mounting plates, M4/M4		
HR10-4MM	8890800	10 mm
HR15-4MM	8890801	15 mm
HR20-4MM	8890802	20 mm
HR25-4MM	8890803	25 mm
HR30-4MM	8890804	30 mm
HR60-4MM	8890805	60 mm
HR97-4MM	8890807	97 mm



Order symbol	Code	Description
Depth extension frames with screws, IP 66		
EXTP 1915	8856040	185 x 150 x 35 mm
EXTP 3019	8856041	300 x 185 x 35 mm
EXTP 3030	8856042	300 x 300 x 35 mm
EXTP 3730	8856043	370 x 300 x 35 mm
EXTP 5630	8856044	555 x 300 x 60 mm
EXTP 6030	8856045	600 x 300 x 60 mm
EXTP 6037	8856046	600 x 370 x 60 mm
EXTP 6060	8856047	600 x 600 x 60 mm
DIN-rail frames with front plates and earth terminals		
DRF 1930-1	8856265	1 x 14 modules
DRF 3019-2	8856266	2 x 7 modules
DRF 3030-1	8856267	1 x 14 modules
DRF 3030-2	8856268	2 x 14 modules
DRF 3730-2	8856269	2 x 14 modules
DRF 4930-3	8856270	3 x 14 modules
DRF 6030-3	8856271	3 x 14 modules
DRF 6030-4	8856272	4 x 14 modules
Coupling frames for bases with openings, IP 65		
MB 30185	8856106	size 185
MB 30300	8856107	size 300
MB 30370	8856108	size 370
Flange plates, smooth and with metric knock-outs, IP 66/67		
F185-0	8856103	smooth, size 185
F185-1	8856096	4xM20/16 + 1xM32/25, size 185
F300-0	8856104	smooth, size 300
F300-1	8856131	2xM32/25 + 3xM25/20 + 4xM20/16, size 300
F300-2	8856097	9xM25/20, size 300
F300-3	8856098	2xM50/40 + 2xM25/20, size 300
F300-4	8856099	13xM20/16, size 300
F300-5	8856100	3xM40/32 + 2xM20/16, size 300
F370-0	8856105	smooth, size 370
F370-1	8856101	1xM40/32 + 10xM25/20, size 370
F370-2	8856102	13xM25/20, size 370
Cover hinges, IP 55		
PH 56238	8856238	for grey covers
PH 56239	8856239	for transparent covers
PH 56240	8856111	for grey covers with depth extension frame
PH 56241	8856114	for transparent covers with depth extension frame
Cable entries		
MK 10475	8851106	Rubber cable sleeve for direct mounting, with template, IP 55
MK 10476	8851103	Cable box bridge, size 300, IP 55
MK 10477	8851112	Cable box bridge, size 370, IP 55
CC75	8851111	Cable clamp for CSR75U, spare part, max. cable diameter 75 mm
CSR75	8851105	Cable clamp for P3019 and P3730, direct mounting
CSR75U	8851110	Universal cable clamp for P3030, P3730 and P6030, max. cable diameter 75 mm



Fibox Enclosures

Fibox Enclosing innovations

Fibox designs and manufactures enclosures to package and protect innovations in harsh and demanding environments.

Fibox has a deep understanding of customers' applications, strong plastic and electrical engineering know-how, rapid prototyping processes, and the widest enclosure range for packaging electrical and electronic components and systems.

Fibox works in close cooperation with its customers. All Fibox products can be customized to meet the customer's requirements with the guarantee of ongoing consistency and quality.

Fibox is your trusted partner for all enclosing challenges. Together we turn your ideas and innovations into success stories.

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Looking for more?

This leaflet represents only one product family from a total of over 1000 standard enclosures in the Fibox range. If you need more alternatives please contact your nearest Fibox representative or visit us at www.fibox.com. Our range is wider than shown in this overview.

More detailed information including dimensional drawings, CAD files, ordering symbols etc. is also provided at www.fibox.com