

Polyester Ex



- + Glass fibre reinforced enclosure system of polyester-resin for use in hazardous areas
- + Available as a component (U approval) or as a fully certified device including the installation of terminals or electronic equipment
- + With window optional

Included in delivery

Empty enclosure: Enclosure system with silicone seal.
 Junction box: Enclosure system - depending on version with silicone seal, DIN rails, internal earthing connection, terminals, continuity plate, manufacturing, cable glands

Technical datas

| | |
|-----------------------------------|---|
| Explosion protection | II 2 G Ex eb IIC T6/T5/T4 Gb II 2 G Ex ia IIC T6/T5/T4 Gb II 2 G Ex db eb ia [ia] mb IIC T6/T5/T4 Gb II 3 G Ex eb db mb ia [ia Ga] nA nC [op is] IIC T6, T5, T4 Gc II 2 D Ex tb IIIC T85 °C/T100 °C/T135 °C Db IP66 |
| Certificates | PTB 00 ATEX 1002 IECEX PTB 08.0004 EAC RU C-DE.AA87.B.00637 |
| Material | glass fibre reinforced duroplastic polyester, graphite added |
| Colour | RAL 9011, graphite black |
| Ingress protection | IP66 to EN 60529 |
| Impact resistance | 7 Joule to EN 60079-0 |
| Flammability | self-extinguishing, UL 94 V-0 |
| Surface resistance | <10 ⁹ Ohm to IEC 60093 |
| Toxicity | halogen free |
| Ambient temperature range | -55 °C to +135 °C |
| Other execution on request | EMC |

Polyester Ex

Product overview

| Ex e | | Ex Empty | | Ex i | | Dimensions H x W x D (mm) | Weight (g) |
|-------------|--------------|-------------|--------------|-------------|--------------|---------------------------|------------|
| Order no. | Product type | Order no. | Product type | Order no. | Product type | | |
| 06.08 08 06 | PEXe 06010 | 26.08 08 06 | PExB 26010 | 16.08 08 06 | PEXi 16010 | 75 x 80 x 56 | 230 |
| 06.08 08 08 | PEXe 06015 | 26.08 08 08 | PExB 26015 | 16.08 08 08 | PEXi 16015 | 75 x 80 x 75 | 300 |
| 06.08 11 06 | PEXe 06020 | 26.08 11 06 | PExB 26020 | 16.08 11 06 | PEXi 16020 | 75 x 110 x 56 | 295 |
| 06.08 11 08 | PEXe 06025 | 26.08 11 08 | PExB 26025 | 16.08 11 08 | PEXi 16025 | 75 x 110 x 75 | 360 |
| 06.08 16 06 | PEXe 06030 | 26.08 16 06 | PExB 26030 | 16.08 16 06 | PEXi 16030 | 75 x 160 x 56 | 405 |
| 06.08 16 08 | PEXe 06035 | 26.08 16 08 | PExB 26035 | 16.08 16 08 | PEXi 16035 | 75 x 160 x 75 | 460 |
| 06.08 19 06 | PEXe 06040 | 26.08 19 06 | PExB 26040 | 16.08 19 06 | PEXi 16040 | 75 x 190 x 56 | 450 |
| 06.08 19 08 | PEXe 06045 | 26.08 19 08 | PExB 26045 | 16.08 19 08 | PEXi 16045 | 75 x 190 x 75 | 530 |
| 06.08 23 06 | PEXe 06050 | 26.08 23 06 | PExB 26050 | 16.08 23 06 | PEXi 16050 | 75 x 230 x 56 | 575 |
| 06.08 23 08 | PEXe 06055 | 26.08 23 08 | PExB 26055 | 16.08 23 08 | PEXi 16055 | 75 x 230 x 75 | 670 |
| 06.12 12 09 | PEXe 06060 | 26.12 12 09 | PExB 26060 | 16.12 12 09 | PEXi 16060 | 120 x 122 x 91 | 750 |
| 06.12 22 09 | PEXe 06065 | 26.12 22 09 | PExB 26065 | 16.12 22 09 | PEXi 16065 | 120 x 220 x 91 | 1060 |
| 06.16 16 09 | PEXe 06070 | 26.16 16 09 | PExB 26070 | 16.16 16 09 | PEXi 16070 | 160 x 160 x 91 | 1290 |
| 06.16 26 09 | PEXe 06075 | 26.16 26 09 | PExB 26075 | 16.16 26 09 | PEXi 16075 | 160 x 260 x 91 | 1710 |
| 06.16 36 09 | PEXe 06080 | 26.16 36 09 | PExB 26080 | 16.16 36 09 | PEXi 16080 | 160 x 360 x 91 | 2150 |
| 06.16 56 09 | PEXe 06085 | 26.16 56 09 | PExB 26085 | 16.16 56 09 | PEXi 16085 | 160 x 560 x 91 | 3185 |
| 06.25 26 12 | PEXe 06090 | 26.25 26 12 | PExB 26090 | 16.25 26 12 | PEXi 16090 | 250 x 255 x 121 | 2650 |
| 06.25 26 16 | PEXe 06095 | 26.25 26 16 | PExB 26095 | 16.25 26 16 | PEXi 16095 | 250 x 255 x 161 | 3275 |
| 06.25 40 12 | PEXe 06100 | 26.25 40 12 | PExB 26100 | 16.25 40 12 | PEXi 16100 | 250 x 400 x 121 | 3650 |
| 06.25 40 16 | PEXe 06105 | 26.25 40 16 | PExB 26105 | 16.25 40 16 | PEXi 16105 | 250 x 400 x 161 | 4800 |
| 06.25 60 12 | PEXe 06110 | 26.25 60 12 | PExB 26110 | 16.25 60 12 | PEXi 16115 | 250 x 600 x 121 | 5235 |
| 06.36 36 09 | PEXe 06115 | 26.36 36 09 | PExB 26115 | 16.36 36 09 | PEXi 16120 | 360 x 360 x 91 | 4200 |
| 06.41 40 12 | PEXe 06120 | 26.41 40 12 | PExB 26120 | 16.41 40 12 | PEXi 16125 | 405 x 400 x 121 | 5580 |
| 06.41 40 20 | PEXe 06125 | 26.41 40 20 | PExB 26125 | 16.41 40 20 | PEXi 16130 | 405 x 400 x 201 | 6650 |



Polyester Ex

Terminal mounting

| | Phoenix Contact | | | | | | | | | | | | Bartec | | | | |
|-----------------------------|-----------------|-------|--------|-------|-------|-------|-------|-------|--------|--------|---------|---------|---------------------|--|---|-------------------|------------------------|
| | TS 15 | TS 15 | TS 35 | TS 35 | TS 35 | TS 35 | TS 35 | TS 35 | TS 35 | TS 35 | TS 35 | TS 35 | | | | | |
| DIN rail | 2,5 | 4 | 2,5 | 4 | 6 | 10 | 16 | 35 | 50 | 95 | 150 | 240 | | | | | |
| Nominal cross section (mm²) | 2,5 | 4 | 2,5 | 4 | 6 | 10 | 16 | 35 | 50 | 95 | 150 | 240 | | | | | |
| Voltage (V) | 352 | 352 | 690 | 690 | 690 | 690 | 690 | 690 | 690 | 880 | 1100 | 1100 | | | | | |
| Terminal width (mm) | 5,2 | 6,2 | 5,2 | 6,2 | 8,2 | 10,2 | 12,2 | 16,2 | 20 | 25 | 31 | 36 | | | | | |
| Terminal type | | | | | | | | | | | | | | | | | |
| Enclosure type | MUT 2,5 | MUT 4 | UT 2,5 | UT 4 | UT 6 | UT 10 | UT 16 | UT 35 | UKH 50 | UKH 95 | UKH 150 | UKH 240 | PE bar 1,5 to 6 mm² | Sheath clamp (2 x 4 mm², 3 x 2,5 mm² each clamp) | Sheath clamp (2 x 6 mm², 3 x 4 mm², 4 x 2,5 mm² each clamp) | Ex Mini terminals | Ex Mini terminals blue |
| XX.08 08 06 | 7 | 6 | | | | | | | | | | | | 2 | | 3 | 3 |
| XX.08 08 08 | 7 | 6 | | | | | | | | | | | | 2 | | | |
| XX.08 11 06 | 13 | 11 | | | | | | | | | | | | 4 | | | |
| XX.08 11 08 | 13 | 11 | | | | | | | | | | | | 4 | | | |
| XX.08 16 06 | 22 | 19 | | | | | | | | | | | | 4 | | | |
| XX.08 16 08 | 22 | 19 | | | | | | | | | | | | 4 | | | |
| XX.08 19 06 | 28 | 23 | | | | | | | | | | | | 4 | | | |
| XX.08 19 08 | 28 | 23 | | | | | | | | | | | | 4 | | | |
| XX.08 23 06 | 36 | 30 | | | | | | | | | | | | 4 | | | |
| XX.08 23 08 | 36 | 30 | | | | | | | | | | | | 4 | | | |
| XX.12 12 09 | 12 | 10 | 12 | 10 | 7 | 6 | 5 | | | | | | | | 2 | | |
| XX.12 22 09 | 32 | 26 | 32 | 26 | 20 | 16 | 13 | | | | | | | | 4 | | |
| XX.16 16 09 | 20 | 16 | 20 | 16 | 12 | 10 | 8 | 6 | | | | | 10 | | | | |
| XX.16 26 09 | 39 | 33 | 39 | 33 | 25 | 20 | 16 | 12 | | | | | 22 | | | | |
| XX.16 36 09 | 58 | 48 | 58 | 48 | 36 | 29 | 24 | 18 | | | | | 32 | | | | |
| XX.16 56 09 | 97 | 81 | 97 | 81 | 61 | 49 | 41 | 31 | | | | | 52 | | | | |
| XX.25 26 12 | 74 | 62 | 74 | 62 | 48 | 19 | 16 | 12 | 9 | | | | 22 | | | | |
| XX.25 26 16 | 74 | 62 | 74 | 62 | 48 | 19 | 16 | 12 | 9 | 7 | | | 22 | | | | |
| XX.25 40 12 | 130 | 110 | 130 | 110 | 82 | 33 | 28 | 21 | 17 | | | | 38 | | | | |
| XX.25 40 16 | 130 | 110 | 130 | 110 | 82 | 33 | 28 | 21 | 17 | 13 | | | 38 | | | | |
| XX.25 60 12 | 208 | 174 | 208 | 174 | 132 | 53 | 44 | 33 | 27 | | | | 58 | | | | |
| XX.36 36 09 | 174 | 147 | 174 | 147 | 74 | 58 | 48 | 36 | | | | | 32 | | | | |
| XX.41 40 12 | 195 | 165 | 195 | 165 | 123 | 66 | 56 | 21 | 17 | | | | 38 | | | | |
| XX.41 40 20 | 195 | 165 | 195 | 165 | 123 | 66 | 56 | 21 | 17 | 13 | 11 | 9 | 38 | | | | |

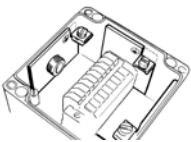
Other suppliers on request

Polyester Ex

Accessories

| Order no. | DIN rails | Mounting plate |
|-------------|-----------|----------------|
| XX.08 08 06 | • | • |
| XX.08 08 08 | • | • |
| XX.08 11 06 | • | • |
| XX.08 11 08 | • | • |
| XX.08 16 06 | • | • |
| XX.08 16 08 | • | • |
| XX.08 19 06 | • | • |
| XX.08 19 08 | • | • |
| XX.08 23 06 | • | |
| XX.08 23 08 | • | |
| XX.12 12 09 | • | • |
| XX.12 22 09 | • | • |
| XX.16 16 09 | • | • |
| XX.16 26 09 | • | • |
| XX.16 36 09 | • | • |
| XX.16 56 09 | • | • |
| XX.25 26 12 | • | • |
| XX.25 26 16 | • | • |
| XX.25 40 12 | • | • |
| XX.25 40 16 | • | • |
| XX.25 60 12 | • | • |
| XX.36 36 09 | • | • |
| XX.41 40 12 | • | • |
| XX.41 40 20 | • | • |

Continuity plate



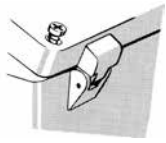
| Order no. | Version |
|-------------|--|
| 10.01 60 19 | for XX.08 08 06, XX.08 11 06, XX.08 16 06, XX.08 19 06, XX.08 23 06 |
| 10.01 60 20 | for XX.12 12 09, XX.12 22 09 |
| 10.01 60 21 | for, XX.16 16 09, XX.16 26 09, XX.16 36 09, XX.16 56 09 |
| 10.01 60 22 | for XX.36 36 09 |
| 10.01 60 23 | for XX.25 26 12, XX.25 26 16, XX.25 40 12, XX.25 40 16, XX.41 40 12, XX.25 60 12 |
| 10.01 60 24 | for XX.08 08 08, XX.08 11 08, XX.08 16 08, XX.08 19 08, XX.08 23 08 |
| 10.01 60 25 | for XX.41 40 20 |



Polyester Ex

Accessories

External hinges

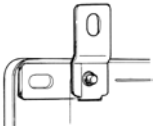


Swivelling range 150°,
set = 2 pcs

Order no.

10.02 70 01

External mounting brackets



set = 4 pcs

Order no.

Version

10.03 11 01

for XX.08 08 06 - XX.10 20 08

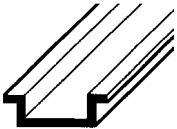
10.03 11 02

for XX.12 12 08 - XX.31 60 18, XX.14 01 00 - XX.14 03 00

10.03 10 08

for XX.20 20 00, XX.20 30 00

DIN rails



Order no.

Version

10.06 10 03

TS 15 for XX.08 08 06, XX.08 08 08

10.06 11 02

TS 15 for XX.08 11 06, XX.08 11 08

10.06 10 08

TS 15 for XX.08 16 06, XX.08 16 08

10.06 10 10

TS 15 for XX.08 19 06, XX.08 19 08

10.06 11 05

TS 15 for XX.08 23 06, XX.08 23 08

10.06 14 21

TS 35/7.5 for XX.12 12 09

10.06 14 22

TS 35/7.5 for XX.12 22 09

10.06 14 23

TS 35/7.5 for XX.16 16 09

10.06 14 24

TS 35/7.5 for XX.16 26 09

10.06 14 25

TS 35/7.5 for XX.16 36 09

10.06 14 26

TS 35/7.5 for XX.16 56 09

10.06 14 34

TS 35/7.5 for XX.25 26 12, XX.25 26 16

10.06 14 27

TS 35/7.5 for XX.25 40 12, XX.25 40 16

10.06 14 28

TS 35/7.5 for XX.25 60 12

PE bar



Order no.

Version

12.05 42 62

for XX.16 16 09

12.05 42 63

for XX.16 26 09, XX.25 26 12, XX.25 26 16

12.05 42 64

for XX.16 36 09, XX.36 36 09

12.05 42 65

for XX.16 56 09

12.05 42 68

for XX.25 40 12, XX.25 40 16, XX.41 40 12, XX.41 40 20

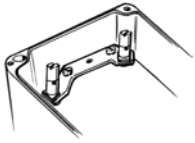
12.05 42 70

for XX.25 60 12

Polyester Ex

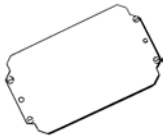
Accessories

PE busbar



| Order no. | Version |
|-------------|-------------------------------|
| 12.05 30 03 | for XX.08 08 06 - XX.08 16 08 |
| 12.05 30 04 | for XX.08 19 06 - XX.08 23 08 |
| 12.05 30 05 | for XX.12 12 09 - XX.12 22 09 |

Mounting plate



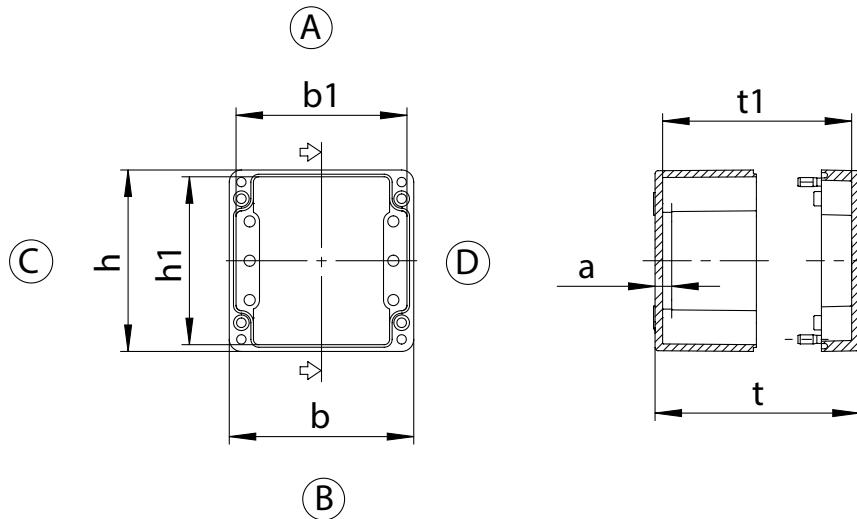
| Order no. | Version |
|-------------|------------------------------|
| 10.01 11 01 | for XX.08 08 06, XX.08 08 08 |
| 10.01 11 03 | for XX.08 11 06, XX.08 11 08 |
| 10.01 11 05 | for XX.08 16 06, XX.08 16 08 |
| 10.01 11 07 | for XX.08 19 06, XX.08 19 08 |
| 10.01 10 07 | for XX.12 12 08, XX.12 12 09 |
| 10.01 10 08 | for XX.12 22 08, XX.12 22 09 |
| 10.01 10 10 | for XX.16 16 09 |
| 10.01 10 11 | for XX.16 26 09 |
| 10.01 10 12 | for XX.16 36 09 |
| 10.01 10 13 | for XX.16 56 09 |
| 10.01 11 15 | for XX.25 26 12, XX.25 26 16 |
| 10.01 11 16 | for XX.25 40 12, XX.25 40 16 |
| 10.01 11 17 | for XX.25 60 12 |
| 10.01 11 18 | for XX.36 36 09 |
| 10.01 11 19 | for XX.41 40 12, XX.41 40 20 |



Polyester Ex

Technical details

| Order no. | b | h | t | b1 | h1 | t1 | a |
|-------------|-----|-----|-----|-----|-----|-----|------|
| XX.08 08 06 | 80 | 75 | 56 | 71 | 66 | 46 | 10,5 |
| XX.08 08 08 | 80 | 75 | 75 | 71 | 66 | 65 | 10,5 |
| XX.12 12 09 | 122 | 120 | 91 | 113 | 111 | 80 | 11 |
| XX.16 16 09 | 160 | 160 | 91 | 148 | 141 | 79 | 11,5 |
| XX.36 36 09 | 360 | 360 | 91 | 348 | 348 | 79 | 11,5 |
| XX.41 40 12 | 400 | 405 | 121 | 388 | 393 | 109 | 11,5 |
| XX.41 40 20 | 401 | 406 | 201 | 388 | 393 | 189 | 11,5 |

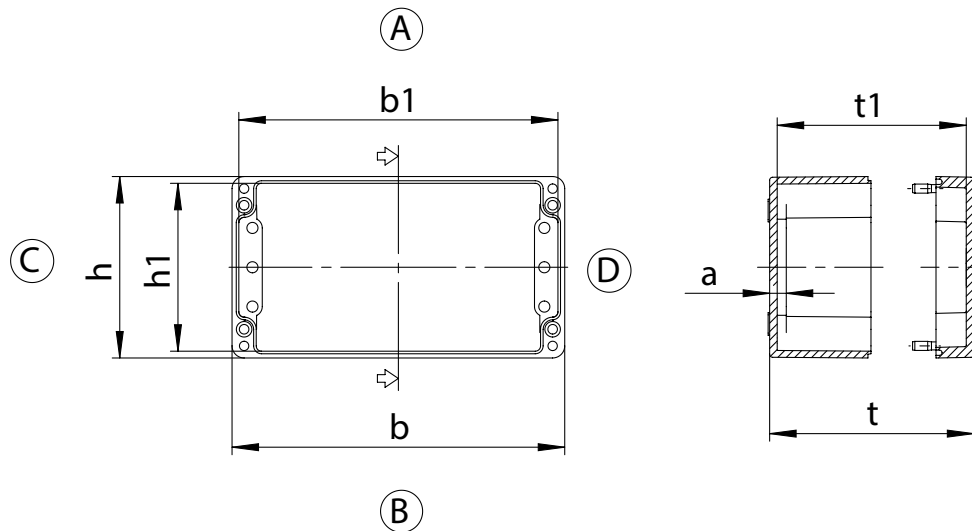


For detailed drawings visit www.rose-systemtechnik.com

Polyester Ex

Technical details

| Order no. | b | h | t | b1 | h1 | t1 | a |
|-------------|-----|-----|-----|-----|-----|-----|------|
| XX.08 11 06 | 110 | 75 | 56 | 101 | 66 | 46 | 10,5 |
| XX.08 11 08 | 110 | 75 | 75 | 101 | 66 | 65 | 10,5 |
| XX.08 16 06 | 160 | 75 | 56 | 151 | 66 | 46 | 10,5 |
| XX.08 16 08 | 160 | 75 | 75 | 151 | 66 | 65 | 10,5 |
| XX.08 19 06 | 190 | 75 | 56 | 181 | 66 | 46 | 10,5 |
| XX.08 19 08 | 190 | 75 | 75 | 181 | 66 | 65 | 10,5 |
| XX.08 23 06 | 230 | 75 | 56 | 221 | 66 | 46 | 10,5 |
| XX.08 23 08 | 230 | 75 | 75 | 221 | 66 | 65 | 10,5 |
| XX.12 22 09 | 220 | 120 | 91 | 211 | 111 | 80 | 11 |
| XX.16 26 09 | 260 | 160 | 91 | 248 | 141 | 79 | 11,5 |
| XX.16 36 09 | 360 | 160 | 91 | 348 | 141 | 79 | 11,5 |
| XX.16 56 09 | 560 | 160 | 91 | 548 | 148 | 79 | 11,5 |
| XX.25 26 12 | 255 | 250 | 121 | 243 | 238 | 109 | 11,5 |
| XX.25 26 16 | 255 | 250 | 161 | 243 | 238 | 149 | 11,5 |
| XX.25 40 12 | 400 | 250 | 121 | 388 | 238 | 109 | 11,5 |
| XX.25 40 16 | 400 | 250 | 161 | 388 | 238 | 149 | 11,5 |
| XX.25 60 12 | 600 | 250 | 121 | 588 | 238 | 109 | 11,5 |



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