



A Phoenix Mecano Company



EX-EQUIPMENT

English Version

www.rose-systemtechnik.com



In 1969 ROSE Systemtechnik GmbH was founded in Porta Westfalica, Germany. Today ROSE is one of the world's leading and innovative providers of industrial enclosure system engineering, employing over 350 people at the German headquarter.

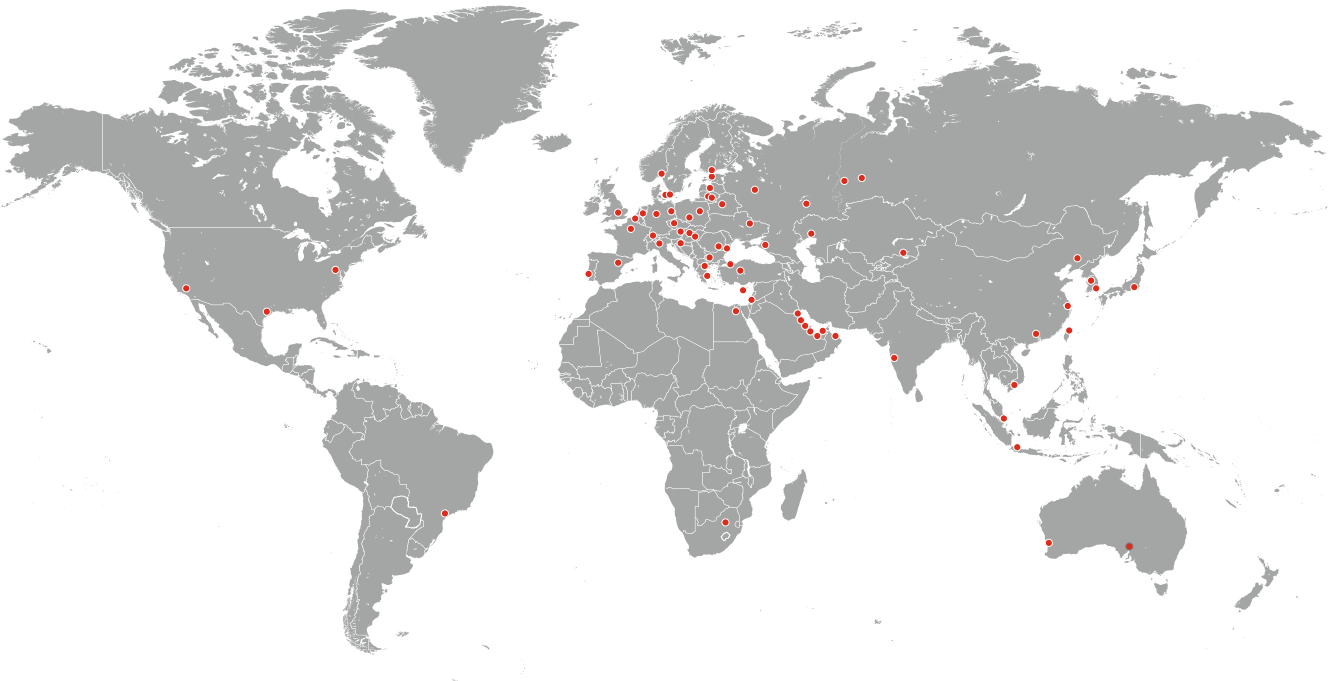
In association with Phoenix Mecano AG, Switzerland, we develop and manufacture high-quality industrial enclosures and system solutions for areas such as mechanical and plant engineering, automation engineering, potentially explosive atmospheres, instrumentation, control and automation technology, as well as the foodstuff and beverage industry.

Our product range comprises the following:

- Standard industrial enclosures made of aluminum, stainless steel and plastics for individual installations of electrical connection technology and electronic components.
- Operating and display enclosures based on aluminum profile systems and stainless steel materials for HMI applications with industrial PCs, PLC control systems and visualization units, including suspension systems.
- Components for explosion protection with junction boxes and control stations for worldwide use in potentially explosive atmospheres, as well as the petrochemical and chemical industry in both onshore and offshore environments.

Our business success is based on a wide range of products, a high quality standard, constant innovation and an exceptional level of service. You decide the condition of delivery – the un-machined enclosure, a partial assembly or a completely assembled and tested customized system solution.

Take advantage of our worldwide sales and marketing network for your international projects.



ROSE Ex-Equipment



ROSE Ex products are in accordance with all EC harmonized standards as well as the ATEX guideline and worldwide IECEx scheme:

EN/IEC 60079-0, EN/IEC 60079-1, EN/IEC 60079-7, EN/IEC 60079-11, EN/IEC 60079-15, EN/IEC 60079-18, EN/IEC 60079-28, and EN/IEC 60079-31.

Protection concepts:

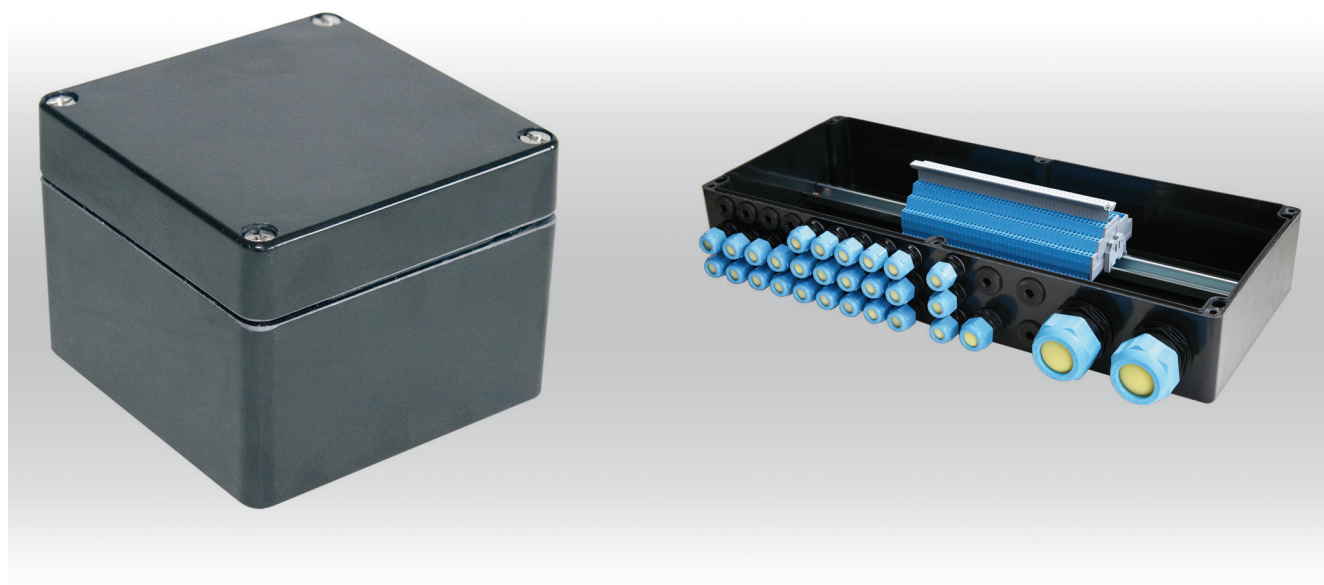
- Ex eb (increased safety)
- Ex ia (intrinsically safety)
- Ex db (flameproof encapsulation)
- Ex tb (protection by enclosures)



■ Approvals



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



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