

Cable junction box PR 6130 and installation cables PR 6135/PR 6136

For the secure connection of scales and weighing electronics



German Quality

The PR 6130 series of cable junction boxes are an easy, innovative solution for the installation and connection of load cells. A sturdy housing with high IP protection enables use in the most adverse ambient conditions. Colour-coded push-in connection terminals ensure quick setup working. The PR 6135 and PR 6136 series installation cables were specially developed for use in weighing technology and offer optimum metrological properties.

The right solution for all of these applications:



Weighing



Filling and
dosing



Fill quantity
control

Technical specifications

Cable junction box PR 6130

Parameter	PR 6130/08	PR 6130/04N	PR 6130/34Sa	PR 6130/35S
Number of load cells	1...8	1...4	1...4	1 to 4
Suitable for 6-wire technology	No	Yes	Yes	Yes
Material	Polycarbonate	Aluminium, lacquered	1.4301, AISI 304	1.4301
Protection class	IP65	IP67	IP68/IP69	IP68/IP69
Clamping area screw connection for load cell cables	4.5...6 mm	4...8 mm	3...6.5 mm	3...6.5 mm
Clamping area screw connection for installation cables	6...13 mm	6...13 mm	6...13 mm	5...10 mm
Ex approval	No	No	No	No
Service temperature range	-30 °C...+70 °C	-30 °C...+70 °C	-30 °C...+80 °C	-30 °C...+80 °C
Storage temperature range	-30 °C...+80 °C	-30 °C...+80 °C	-30 °C...+80 °C	-30 °C...+80 °C
Service temperature range, in potentially explosive atmospheres	/	/	/	/
Corner correction possible	No	Yes	Yes	Yes
EMV according to DIN EN 61000-4-3	10 V/m			
Lightening protection	No	Yes	Yes	No
Vibration resistance		IEC 60068-2-6 Fc, 5 g	IEC 60068-2-6 Fc, 5 g	IEC 60068-2-6 Fc, 5 g

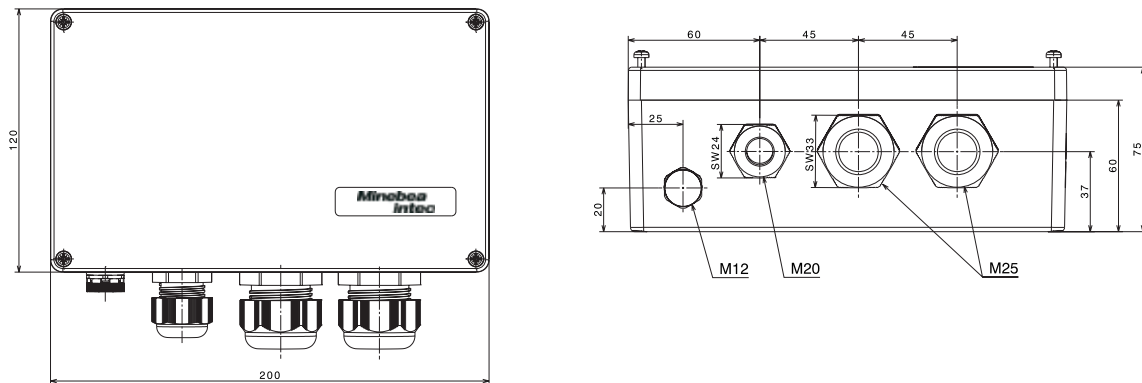
Parameter	PR 6130/38S	PR 6130/64Sa	PR 6130/65S	PR 6130/68S
Number of load cells	1...8	1...4	1...4	1 to 8
Suitable for 6-wire technology	No	Yes	Yes	No
Material	1.4401, AISI 316L	1.4301, AISI 304	1.4301, AISI 304	1.4401, AISI 316L
Protection class	IP68/IP69	IP68/IP69	IP68/IP69	IP68/IP69
Clamping area screw connection for load cell cables	3...6.5 mm	3...6 mm	3...6 mm	3...6 mm
Clamping area screw connection for installation cables	6...13 mm	6...13 mm	5...9 mm	6...13 mm
Ex approval	No	Yes	Yes	Yes
Service temperature range	-30 °C...+80 °C	-30 °C...+80 °C	-30 °C...+80 °C	-30 °C...+80 °C
Storage temperature range	-30 °C...+80 °C	-30 °C...+80 °C	-30 °C...+80 °C	-30 °C...+80 °C
Service temperature range, in potentially explosive atmospheres	/	-20 °C...+60 °C	-20 °C...+60 °C	-20 °C...+60 °C
Corner correction possible	Yes	Yes	Yes	Yes
EMV according to DIN EN 61000-4-3	10 V/m			
Lightening protection	Yes	Yes	Yes	Yes
Vibration resistance	IEC 60068-2-6 Fc, 5 g	IEC 60068-2-6 Fc, 5 g	IEC 60068-2-6 Fc, 5 g	IEC 60068-2-6 Fc, 5 g

PR 6135/PR 6136 installation cables

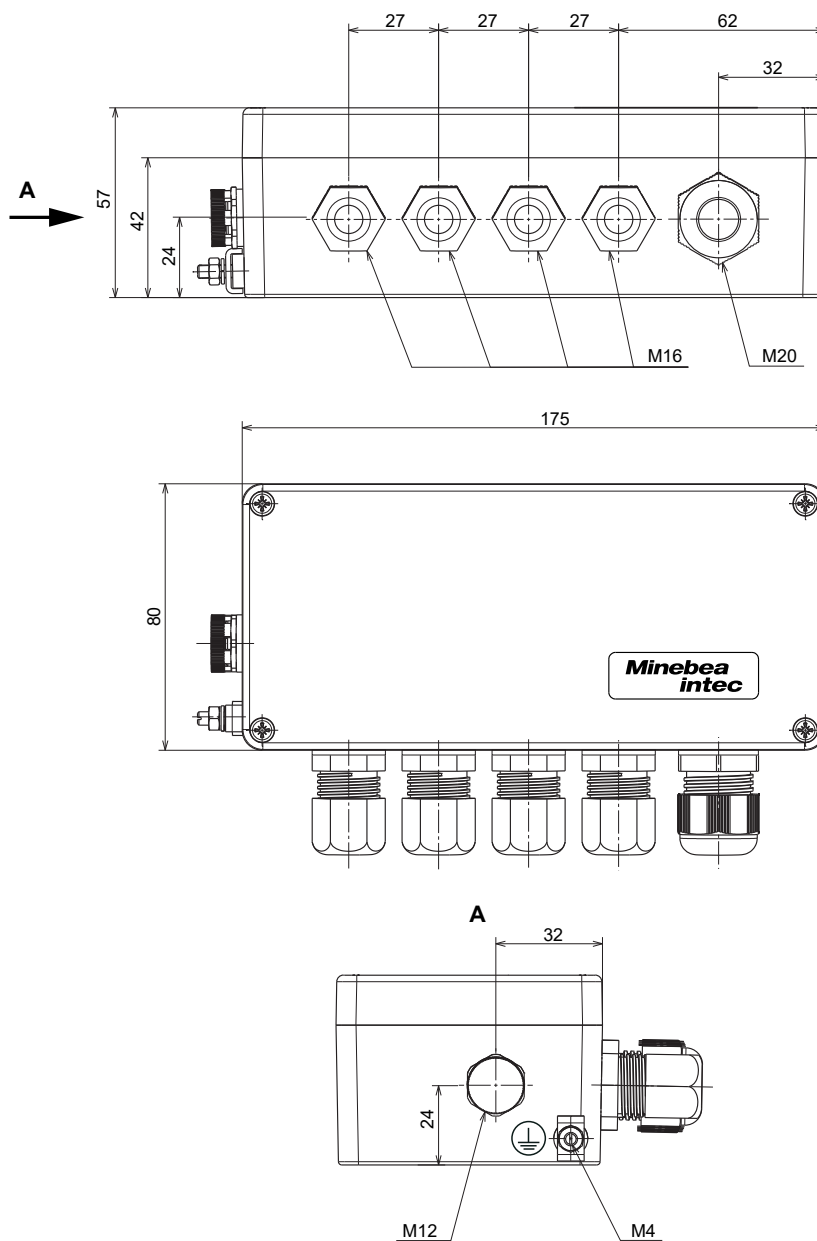
Parameter	PR 6135	PR 6135/xxA	PR 6136	PR 6136/xxA
Cable type	Standard installation cable	Standard installation cable – re-inforced	Ex installation cable	Ex installation cable – reinforced
Cable diameter	9 mm	12.8 mm	10.8 mm	12.8 mm
Cable inductivity	0.63 µH			
Bending radii	fixed: 45 mm moving: 135 mm	fixed: 130 mm moving: 260 mm	fixed: 55 mm moving: 165 mm	fixed: 130 mm moving: 260 mm
Cable capacity	< 230 pF/m			
Conduction resistance at 20 °C	Feeder and sensing cables: $0.75 \text{ mm}^2 \leq 26.7 \Omega/\text{km}$ Measurement cables: $0.56 \text{ mm}^2 \leq 35 \Omega/\text{km}$			
Temperature range Operation and storage	fixed: -60 °C...+90 °C moving: -40 °C...+90 °C briefly up to +125 °C			
Test voltage	500 V (50 Hz, 1 min), VDE 0472 part 508 test type B			
Oil resistance	EN 60811-2-1			
Flame resistance	EN 60332-1-2			

Technical diagrams

Cable junction box PR 6130

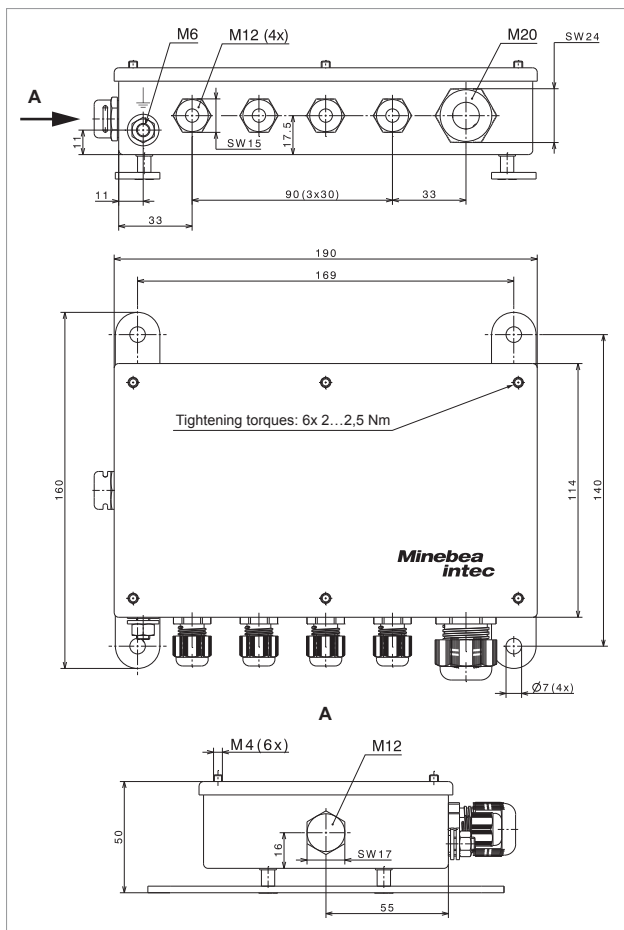


Cable junction box PR 6130/08

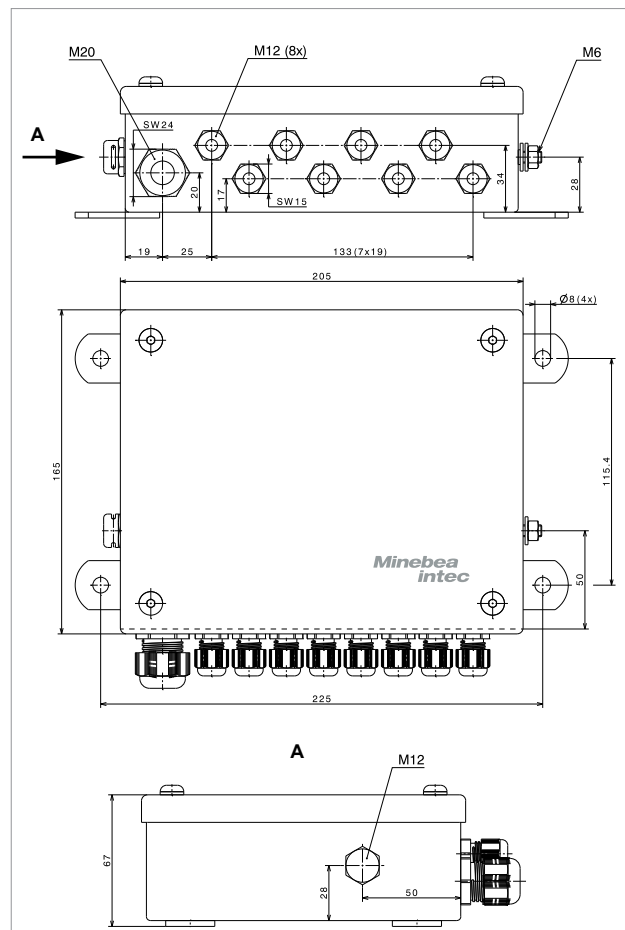


Cable junction box PR 6130/04

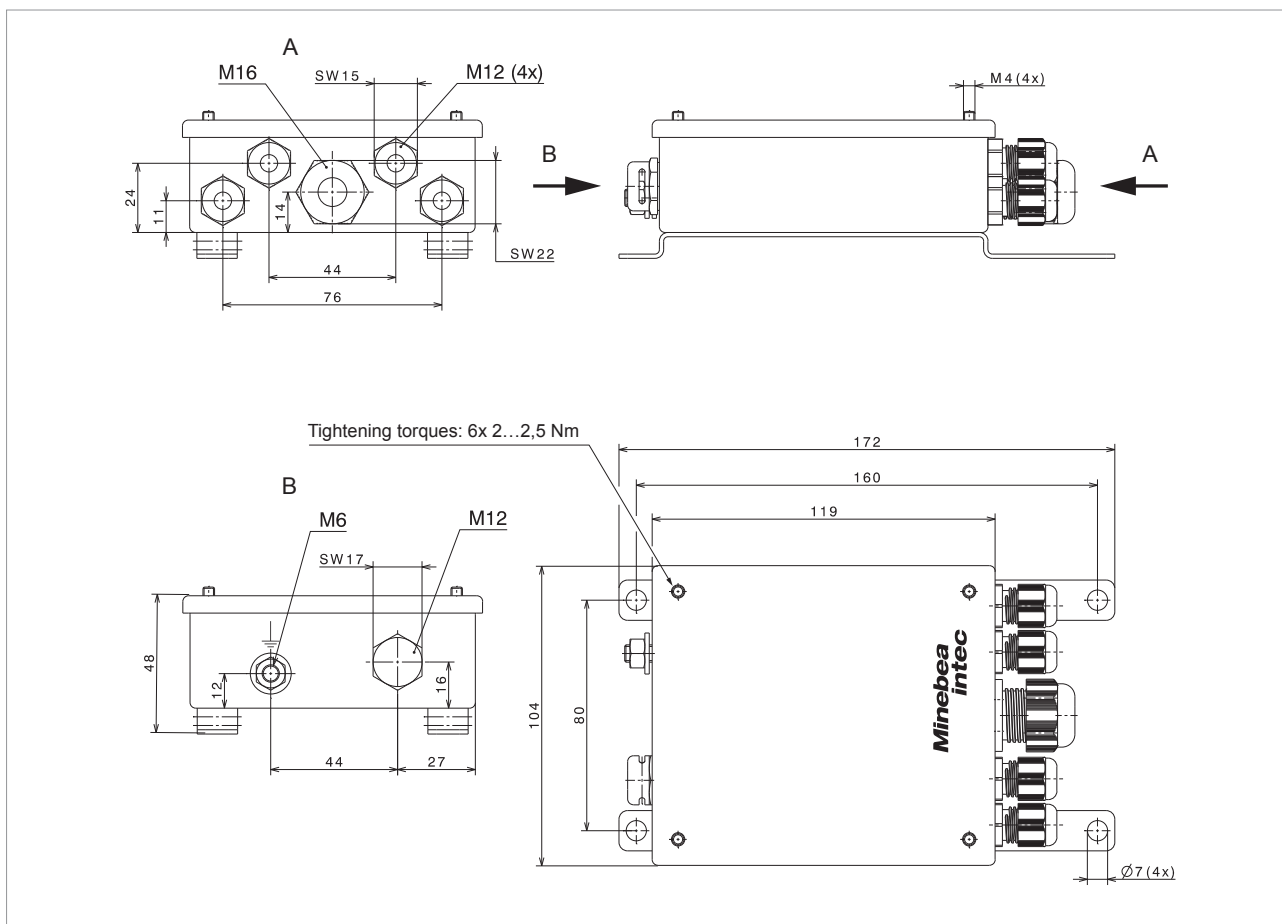
All dimensions in mm



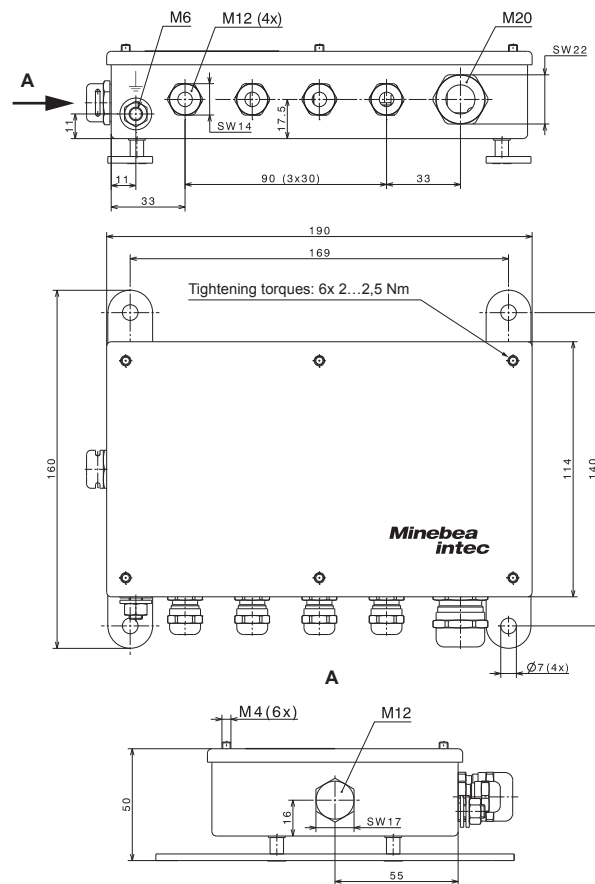
Cable junction box PR 6130/34Sa



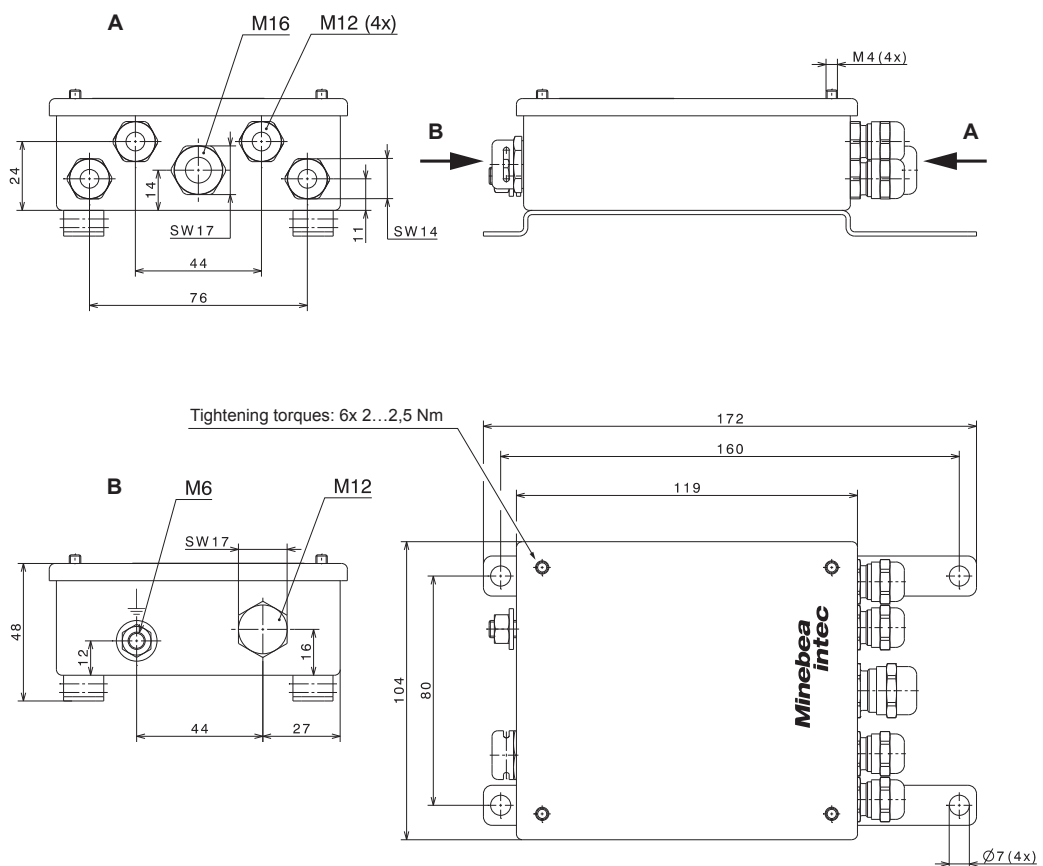
Cable junction box PR 6130/38S



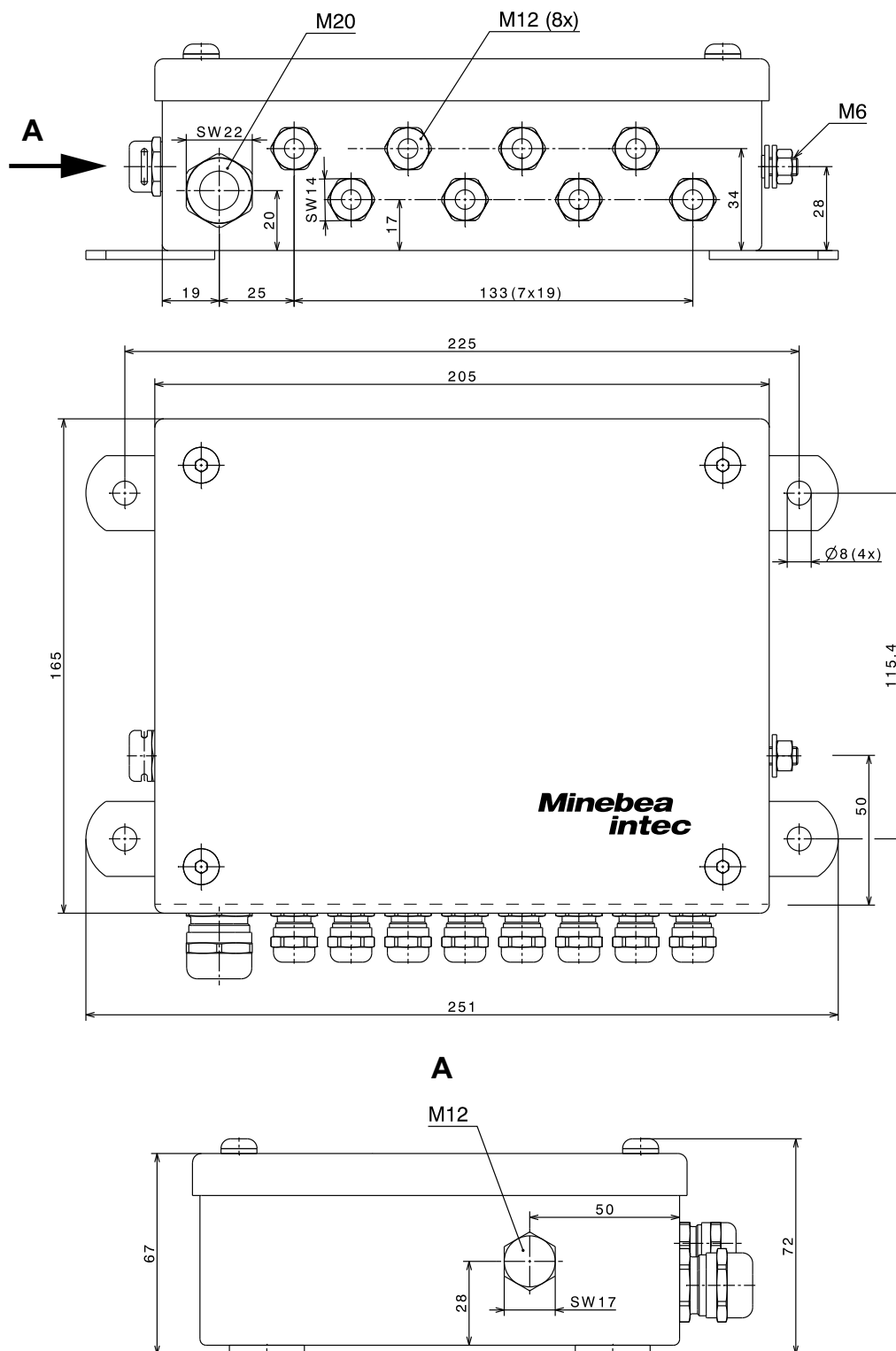
Cable junction box PR 6130/35S



Cable junction box PR 6130/64Sa

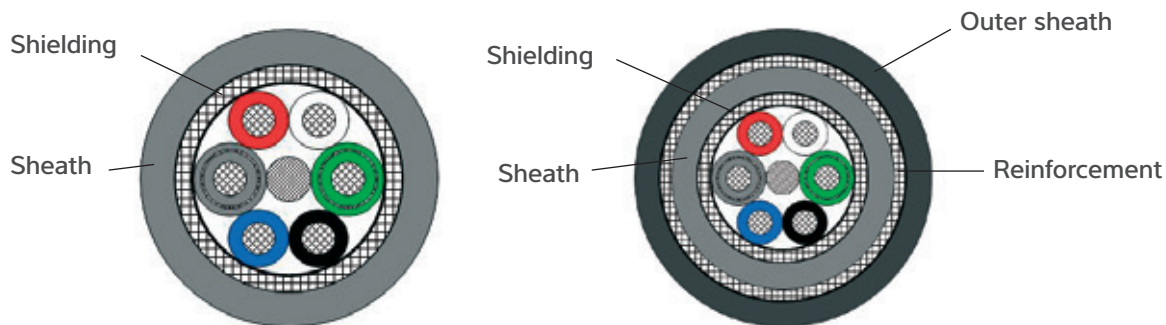


Cable junction box PR 6130/65S



Cable junction box PR 6130/68S

PR 6135/PR 6136 installation cables



Wire	Cross-section	Function
Red	0.75 mm ²	+ Supply voltage
Blue	0.75 mm ²	- Supply voltage
White	0.75 mm ²	+ Sensing
Black	0.75 mm ²	- Sensing
Green	0.56 mm ²	+ Meas/LC out
Grey	0.56 mm ²	- Meas/LC out

PR 6135/PR 6136 installation cables

Ex approval

Scope of validity

PR 6130/6x



Explosion protection

Certificates for cable junction box PR 6130

Zone	Labelling	Certificate number	For
0 and 1	II 1 G Ex ia IIC T6 / T4 Ga Ex ia IIC T6 / T4 Ga 0Ex ia IIC T6 / T4 X	DEKRA 13ATEX0133 X IECEX DEK 13.0042X RU C-DE.MfO62.B.05021*	PR 6130/6x
20	II 1 D Ex ia IIIC T90 °C Da Ex ia IIIC T90 °C Da Ex ia IIIC T90 °C X	DEKRA 13ATEX0133 X IECEX DEK 13.0042X RU C-DE.MfO62.B.05021*	
21 and 22	II 2 D Ex tb IIIC T50 °C / T70 °C Db Ex tb IIIC T50 °C / T70 °C Db Ex tb IIIC T50 °C / T70 °C X	DEKRA 13ATEX0133 X IECEX DEK 13.0042X RU C-DE.MfO62.B.05021*	
2	II 3G Ex nA IIC T6 Gc Ex nA IIC T6 Gc 2Ex nA IIC T6 X	DEKRA 13ATEX0133 X IECEX DEK 13.0042X RU C-DE.MfO62.B.05021*	
FMus	IS CL I, II, III, DIV 1, GP A,B,C,D,E,F,G T4 – 36931-751-07; 4X, IP6x NI CL I, II, III, DIV 2, GP A,B,C,D,E,F,G T4; 4X, IP6x CL I, Zone 0, AEx ia IIC T4 – 36931-751-07; 4X, IP6x Zone 20, AEx ia IIIC T90 °C – 36931-751-07; 4X, IP6x T4 Ta= -20 °C to 60 °C	FM17US0275X	
FMca	IS CL I, II, III, DIV 1, GP A,B,C,D,E,F,G T4 – 36931-751-07; 4X, IP6x NI CL I, II, III, DIV 2, GP A,B,C,D,E,F,G T4; 4X, IP6x CL I, Zone 0, Ex ia IIC T4 – 36931-751-07; 4X, IP6x T4 Ta= -20 °C to 60 °C	FM17CA0156X	

*Certification body: Prommash Test LLC (accreditation code MfO62)

Ordering information

Cable junction box PR 6130				
Type	Designation	Packaging	Weight (net/gross)	Order number
PR 6130/08	Cable junction box	260×210×120 mm	0.61 kg/0.86 kg	940536130084
PR 6130/04N	Cable junction box	260×210×120 mm	0.73 kg/0.98 kg	940536130044
PR 6130/34Sa	Stainless steel cable junction box	260×210×120 mm	1.80 kg/2.05 kg	940536130344
PR 6130/35S	Stainless steel cable junction box	260×210×120 mm	0.84 kg/1.09 kg	940536130354
PR 6130/38S	Stainless steel cable junction box	260×210×120 mm	1.80 kg/2.05 kg	940536130384
PR 6130/64Sa	Stainless steel cable junction box (Ex-Version)	260×210×120 mm	1.80 kg/2.05 kg	940536130644
PR 6130/65S	Stainless steel cable junction box (Ex-Version)	260×210×120 mm	0.84 kg/1.09 kg	940536130654
PR 6130/68S	Stainless steel cable junction box (Ex-Version)	260×210×120 mm	1.80 kg/2.05 kg	940536130684

Installation cables PR 6135 and PR 6136				
Type	Designation	Packaging	Weight (gross)	Order number
PR 6135/01	1 m installation cable (minimum length 51 m)	Ring		9405 361 35012
PR 6135/11	10 m installation cable	Ring	1.8 kg	9405 361 35112
PR 6135/21	20 m installation cable	Ring	3.8 kg	9405 361 35212
PR 6135/31	30 m installation cable	Ring	5.2 kg	9405 361 35312
PR 6135/51	50 m installation cable	Ring	8.2 kg	9405 361 35512
PR 6135/12	100 m installation cable	Ring	13 kg	9405 361 35122
PR 6135/32	300 m installation cable	Drum	42 kg	9405 361 35322
PR 6135/01A	1 m installation cable, reinforced (minimum length 50 m)	Ring		9405 361 35019
PR 6136/01	EX 1 m installation cable (minimum length 10 m)	Ring		9405 361 36011
PR 6136/51	EX 50 m installation cable	Ring	8.6 kg	9405 361 36511
PR 6136/12	EX 100 m installation cable	Ring	18 kg	9405 361 36121
PR 6136/32	EX 300 m installation cable	Drum	55 kg	9405 361 36321
PR 6136/01A	EX 1 m installation cable, reinforced (minimum length 10 m)	Ring		9405 361 36019

The products and solutions presented in this data sheet make major contributions in the following sectors:



Food and beverages



Pharmaceutical



Chemistry



Agribusiness



Cosmetics



Building materials



Machinery (OEM)

The technical data given serves as a product description only and should not be understood as guaranteed properties in the legal sense.

Specifications subject to change without notice.
Rev. 08/2018

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