

Checklist – Pre-assembled standard enclosures in Ex version

Customer	
Contact person	
Telephone	
Annual requirement	Delivered lot size

The pre-assembled standard enclosures in Ex version can be used in zones 1, 2, 21 and 22 and are delivered in the following explosion protection types:

<input type="checkbox"/> Ex ia (Intrinsic safety) II 2G Ex ia IIC T* Gb II 2D Ex ia IIIC T***C Db	<input type="checkbox"/> Ex e (Increased safety) II 2G Ex eb IIC T* Gb II 2D Ex tb IIIC T***C Db	<input type="checkbox"/> Ex e ia (Mixed assembly) II 2G Ex eb ia IIC T* Gb II 2D Ex tb IIIC T***C Db
Operating temperature range <input type="checkbox"/> Ta = -20 °C to +40 °C, T6 / T80°C (standard) <input type="checkbox"/> Ta = -20 °C to +55 °C, T5 / T95 °C (only with silicone seal) <input type="checkbox"/> Ta = -20 °C to +90 °C, T4 / T130 °C (only with silicone seal) <input type="checkbox"/> Deviating operating temperature range: _____		
Observe temperature range of terminals and cable glands of T5 and T4. Ta to -55 °C on request		

Enclosures with ATEX- and IECEx-Identification



Configuration

<input type="checkbox"/> Aluminium CA series Enclosure type: _____ Dimensions: _____ Colour: <input type="checkbox"/> RAL 7001 (standard) <input type="checkbox"/> RAL _____ <input type="checkbox"/> not painted Type of cover locking: <input type="checkbox"/> Screws cross recessed head (standard) <input type="checkbox"/> Hexagon socket head cap (from CA-210) Aluminium external articulated hinges (from CA 130): Side <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> Without external ground connection (only possible for Ex i)	<input type="checkbox"/> Polyester CP series Enclosure type: _____ Dimensions: _____ Colour: CPS = RAL 9005 CPG = RAL 7000 Surface resistance: CPS - ≤10 ⁹ Ω CPG - >10 ⁹ Ω Type of cover locking: <input type="checkbox"/> Screws cross recessed head (standard) <input type="checkbox"/> Hexagon socket head cap Aluminium external articulated hinges (from CP 220): Side <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
Seal material: <input type="checkbox"/> Silicone (-55 °C to +130 °C) <input type="checkbox"/> EPDM (-35 °C to +80 °C)	

2.1 Internal system

<input type="checkbox"/> Mounting rail TS 15 to CA 190 / CP 195 TS 35 from CA 210 / CP 220	<input type="checkbox"/> Mounting plate	<input type="checkbox"/> Protective earth conductor busbar (from CA 270 / CP 280) <input type="checkbox"/> Isolated construction
<input type="checkbox"/> Earthing terminals Type and number of see below	<input type="checkbox"/> Terminals	
<input type="checkbox"/> Manufacturer Phoenix-Contact	<input type="checkbox"/> Customer specification	
Conductor cross section:	<input type="checkbox"/> 2,5 mm ²	<input type="checkbox"/> 4 mm ²
Mounting rail:	<input type="checkbox"/> TS 35 <input type="checkbox"/> TS 15	<input type="checkbox"/> TS 35 <input type="checkbox"/> TS 15
Type:	<input type="checkbox"/> UT 2,5 <input type="checkbox"/> MUT 2,5	<input type="checkbox"/> UT 4 <input type="checkbox"/> MUT 4
Operating temperature:	<input type="checkbox"/> -60 °C to +110 °C <input type="checkbox"/> -60 °C to +110 °C	<input type="checkbox"/> -60 °C to +110 °C <input type="checkbox"/> -60 °C to +110 °C
Current:	<input type="checkbox"/> 22 A <input type="checkbox"/> 20,5 A	<input type="checkbox"/> 32 A <input type="checkbox"/> 27,5 A
Voltage:	<input type="checkbox"/> 690 V <input type="checkbox"/> 352 V	<input type="checkbox"/> 690 V <input type="checkbox"/> 352 V
Width:	<input type="checkbox"/> 5,2 mm <input type="checkbox"/> 5,2 mm	<input type="checkbox"/> 6,2 mm <input type="checkbox"/> 6,2 mm
Connection:	<input type="checkbox"/> Screw	<input type="checkbox"/> Screw
Earthing terminal Type:	<input type="checkbox"/> UT 2,5-PE <input type="checkbox"/> MUT 2,5-PE	<input type="checkbox"/> UT 4-PE <input type="checkbox"/> MUT 4-PE


Connecting terminal plate (system)	
Number of terminals:	
Number of earthing terminals:	
Arrangement of terminals:	
Identification of connecting terminal plate (ex.: X1):	
Identification of terminals (ex.: 1, 2, 3 ...):	

2.2 External system

Machining / Mounting

Side A, machined / mounted with:	M12	M16	M20	M25	M32	M40	M50	M63	Version	
									Plastic	Metal
Number of threaded holes										
Number of through holes										
Number of cable glands Ex e									<input type="checkbox"/>	<input type="checkbox"/>
Number of cable glands Ex i									<input type="checkbox"/>	<input type="checkbox"/>
Number of screw plugs									<input type="checkbox"/>	<input type="checkbox"/>
Side B, machined / mounted with:	M12	M16	M20	M25	M32	M40	M50	M63	Version	
Number of threaded holes										
Number of through holes										
Number of cable glands Ex e									<input type="checkbox"/>	<input type="checkbox"/>
Number of cable glands Ex i									<input type="checkbox"/>	<input type="checkbox"/>
Number of screw plugs									<input type="checkbox"/>	<input type="checkbox"/>
Side C, machined / mounted with:	M12	M16	M20	M25	M32	M40	M50	M63	Version	
Number of threaded holes										
Number of through holes										
Number of cable glands Ex e									<input type="checkbox"/>	<input type="checkbox"/>
Number of cable glands Ex i									<input type="checkbox"/>	<input type="checkbox"/>
Number of screw plugs									<input type="checkbox"/>	<input type="checkbox"/>
Side D, machined / mounted with:	M12	M16	M20	M25	M32	M40	M50	M63	Version	
Number of threaded holes										
Number of through holes										
Number of cable glands Ex e									<input type="checkbox"/>	<input type="checkbox"/>
Number of cable glands Ex i									<input type="checkbox"/>	<input type="checkbox"/>
Number of screw plugs									<input type="checkbox"/>	<input type="checkbox"/>

Plastic cable gland PA (-20 °C to +80 °C) Reduced impact strength (4J) at the sizes M12 to M20				
Type	Dimension	Clamping range (from to)		*
K	M12 x 1,5	3,0	5,5	15
K	M16 x 1,5	7,0	9,0	19
K	M20 x 1,5	7,0	13,0	25
K	M25 x 1,5	11,0	17,0	30
K	M32 x 1,5	12,0	21,0	36
K	M40 x 1,5	19,0	28,0	46
K	M50 x 1,5	27,0	35,0	55
K	M63 x 1,5	36,0	45,0	66

Brass cable gland (-30 °C to +90 °C)				
Type	Dimension	Clamping range (from to)		* 
M	M12 x 1,5	3,0	7,0	16
M	M16 x 1,5	4,5	10,0	20
M	M20 x 1,5	7,0	13,0	24
M	M25 x 1,5	9,0	17,0	29
M	M32 x 1,5	11,0	21,0	36
M	M40 x 1,5	19,0	28,0	45
M	M50 x 1,5	26,0	35,0	54
M	M63 x 1,5	34,0	45,0	67

* WAF in mm

External mounting brackets (from CA 210 / CP 140):	<input type="checkbox"/> yes <input type="checkbox"/> no
Documentation: (acc. to customer specif.)	<input type="checkbox"/> Standard (German, English, French) <input type="checkbox"/> Others: _____
Accessories, remarks:	
Annexes:	<input type="checkbox"/> yes <input type="checkbox"/> no
Annexes' types: (for ex., customer drawings, written agreement etc.; if available please attach)	
The recorded data correspond to the requirements:	<input type="checkbox"/> yes <input type="checkbox"/> no
_____ Name/Signature Customer or Sales	