

SKX 16 SKX 20

IP 66



- Enclosures made of glass-fibre reinforced polyester resin **GRP**
- Stainless steel **AISI 316L**
- 3 basic enclosure sizes in GRP
- 3 basic enclosure sizes in stainless steel
- Alone or in various combinations of merged set
- Equipped with built-in components
 - ⇒ Control devices
 - ⇒ Indicating lamps
 - ⇒ Pushbuttons
 - ⇒ Switches
 - ⇒ Ammeters
- Version with hinged doors

CONSTRUCTION

Enclosure: polyester plastic reinforced with glass fiber, color - black
Stainless steel AISI 316L, brush finished, thickness 1.5mm

Cover: with integrated thermoplastic elastomer gasket, closes with four/six M5/M6 stainless steel screws.

TECHNICAL DATA

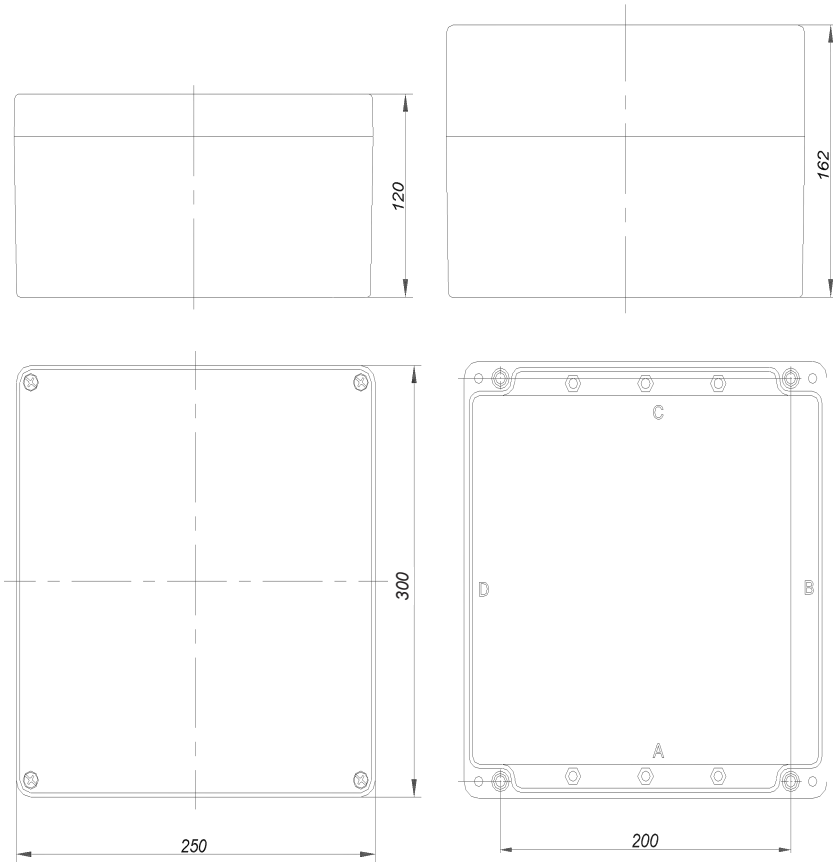
Certificate:	FIDI 19 ATEX 0052, FIDI 19 ATEX 0053 RU C-HR.AB24.B.03291, RU C-HR.AB24.B.03294
Marking:	0722
Apparatus category:	II 2GD
Marking of explosion protection:	Ex db eb mb ia/ib IIC T4...T6 Gb Ex tb IIIC T80°C Db
Ambient temperature ATEX: EAC:	-20°C ≤ T _a ≤ +50°C -50°C ≤ T _a ≤ +50°C
Degree of protection:	IP 66 category 1
Resistance to shock:	IK 08
Protection class :	I (protective earthing)
Rated voltage:	690 V AC (with mantle terminals block SL5, SL8 U _i = 400V AC)
Nominal current:	Up to 80 A
PE terminals (inside of the enclosure):	max. 2x4 mm ² +2x2,5 mm ² , 3x4 mm ² , 2x6 mm ²
Connection:	Depending on order requirements at the built-in components or at the terminal blocks. The rated operational voltage, the rated operational current and the rated cross-section depend on the terminal type used and the explosion protected components.

Control units SKX 16, SKX 18, SKX 20 are Ex combinations configured according to customer demand. Type designation consists of a basic type designation - SKX 16, SKX 18, SKX 20, "I" for enclosure made of SS AISI 316L and SRU number that represents the number of production and assigns to the increment.

Example: SKX 18 I / SRU -1280

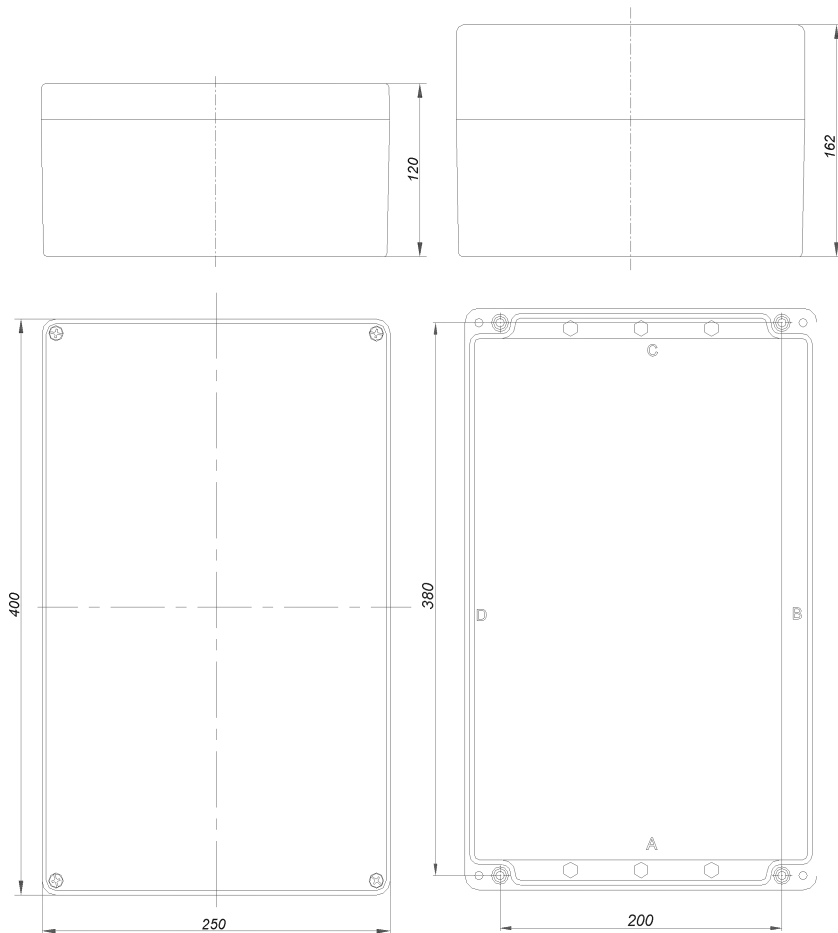
- ⇒ managing the combination of the housing **MMK 403016**
- ⇒ I - stainless steel enclosure AISI 316L
- ⇒ performed by production number **1280**

GRP enclosure SKX 17



Side	Cable gland	M20	M25	M32	M40	M50	M63
B-D		9	9	5	3	3	2
A-C		7	5	3	3	1	1

GRP enclosure SKX 18

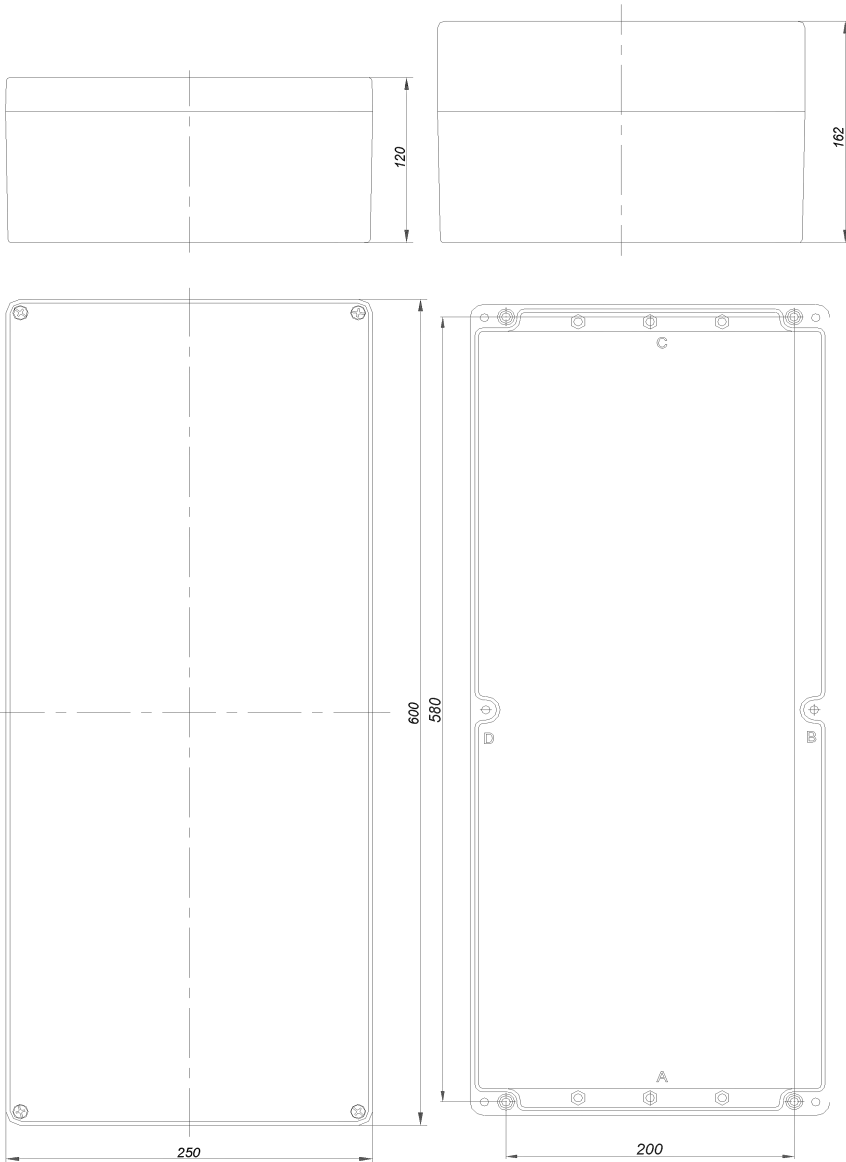


Side	Cable gland	M20	M25	M32	M40	M50	M63
B-D		17	15	9	6	5	4
A-C		9	7	3	3	2	2

All technical data is relevant at the time of print.

SKX 16 SKX 20

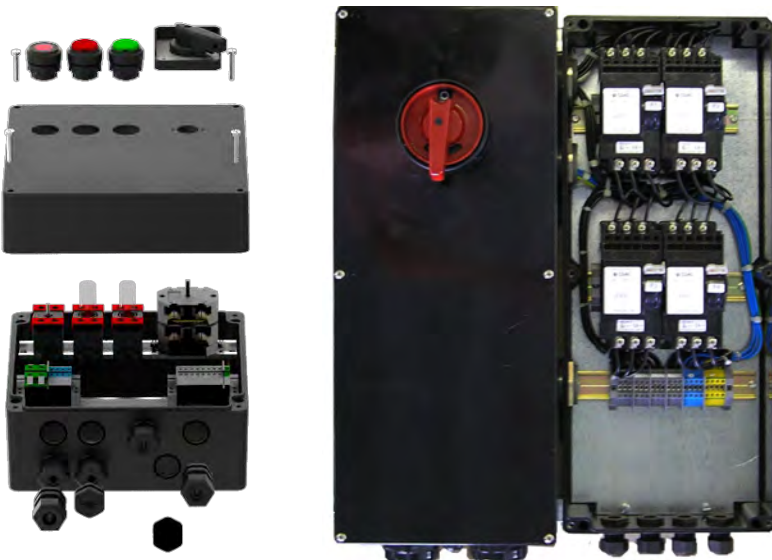
GRP enclosure SKX 20



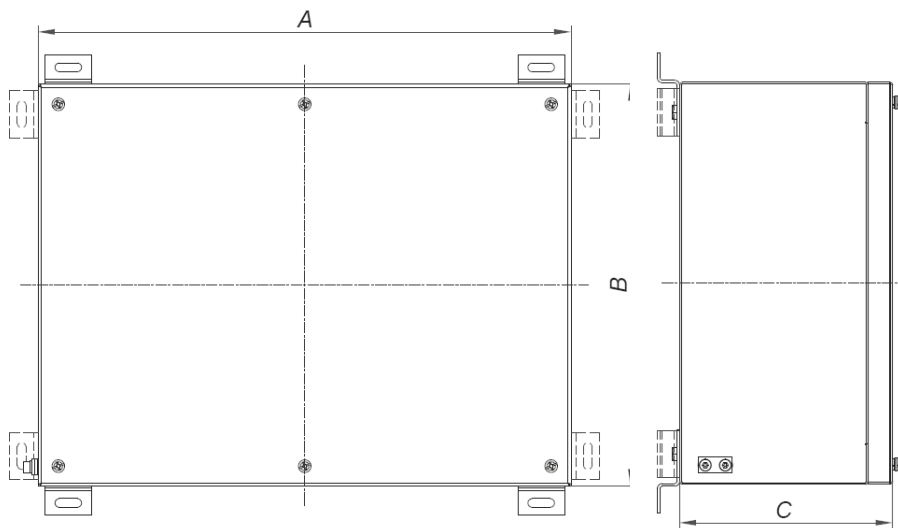
Side	Cable gland	M20	M25	M32	M40	M50	M63
B-D		24	22	12	8	6	6
A-C		9	7	3	3	2	2



Example: Ex control units with GRP enclosures

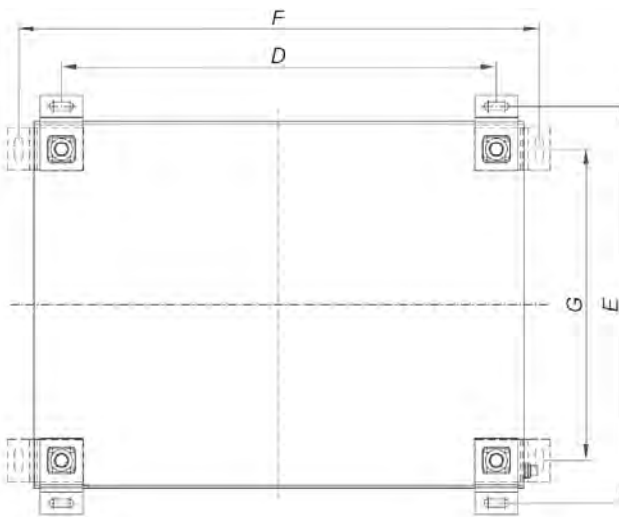


Stainless steel AISI 316L enclosure SKX 16 I, SKX 18 I, SKX 20 I



	A[mm]	B[mm]	C[mm]
SKX 16 I	300	200	120
SKX 18 I	400	300	160
SKX 20 I	600	400	160

MOUNTING



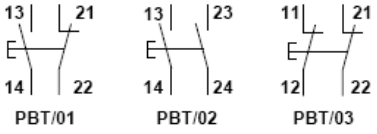



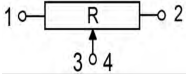


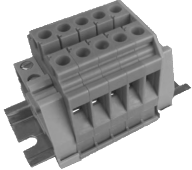

	D[mm]	E[mm]	F[mm]	G[mm]
SKX 16 I	255	227	330	152
SKX 18 I	355	327	430	252
SKX 20 I	555	427	630	352



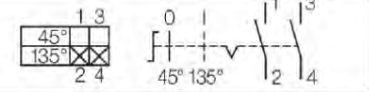
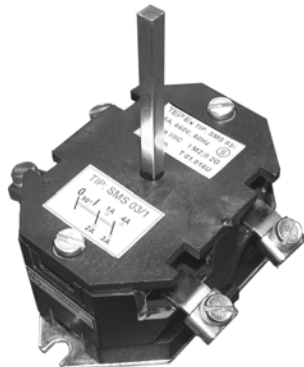

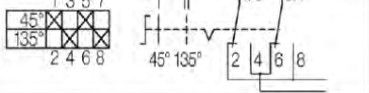
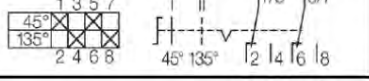
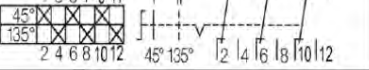
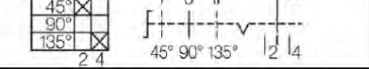
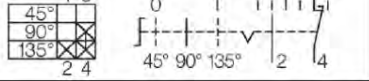
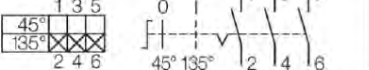
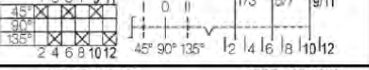
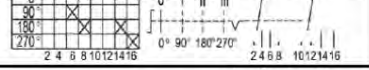
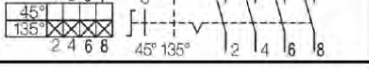
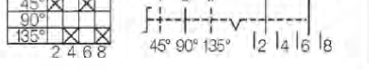
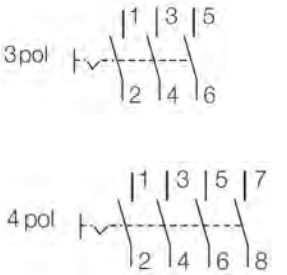
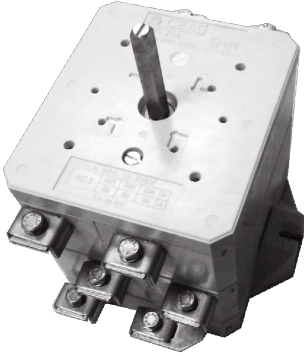
Example: Ex control units with stainless steel AISI 316L enclosures



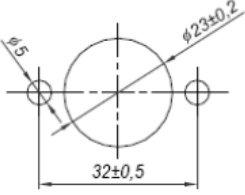
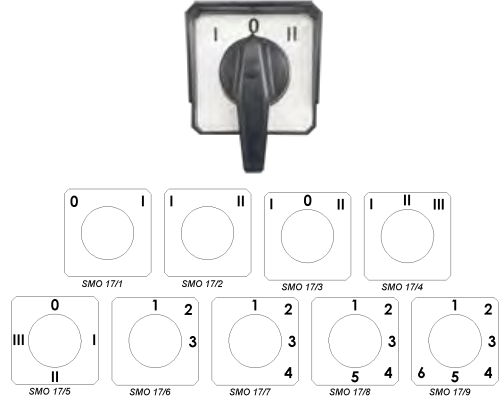
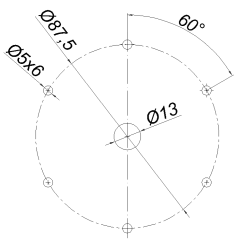

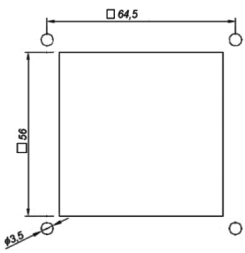

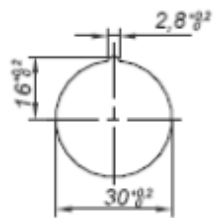

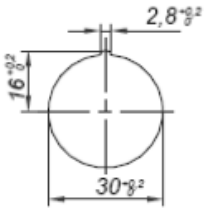

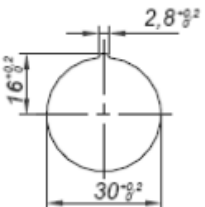

BUILD-IN COMPONENTS

Description, type	Schema	Overview
<p>Pushbutton PBT/.</p> <ul style="list-style-type: none"> Rated voltage: 630V AC Rated current: 16A Terminals: 2,5 mm² 		
<p>Signal lamp SLP</p> <ul style="list-style-type: none"> Rated voltage: 12-250 V AC/DC Max. current: 20-8 mA Terminals: 2,5 mm² 		
<p>Potionmeter</p> <ul style="list-style-type: none"> Rated voltage: 315 V AC/DC Rated power: 1W Scale: 0-100% / 270° Tolerance: ±20% Characteristic: linear Terminals: 2,5 mm² 	 <p>Resistance R: 1,0 kΩ 2,2 kΩ 4,7 kΩ 10 kΩ</p>	
<p>Measuring instruments AM 72, VM 72</p> <ul style="list-style-type: none"> Measuring range: AM: n/1 A, 0-20 mA, 0-25 A direct 4-20 mA VM: n/1A, 6-415V, 6-660 V Scale: according to customer demand Terminals: 1,5 - 4 mm² 	<p>-</p>	
<p>Terminals TH 35-7.5</p> <ul style="list-style-type: none"> 5 terminals 4mm² 2 terminals 16mm² Rated voltage: 690 V AC Rated current: 16 A 	<p>-</p>	
<p>N/PE busbar (only for SKX 15)</p> <ul style="list-style-type: none"> 11x max. 2x4mm² 	<p>-</p>	

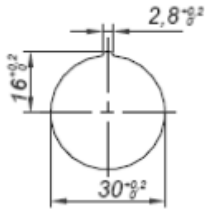

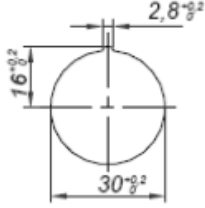

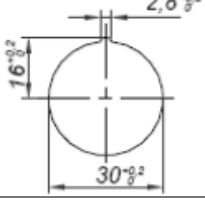

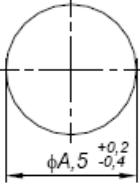

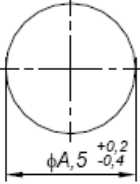

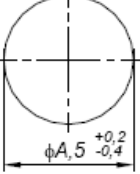



BUILD-IN COMPONENTS

Description, type	Schema / type	Overview
<p>Control switch SMS 03/.</p> <ul style="list-style-type: none"> •Rated voltage: 630 V AC •Rated current: 16 A •Terminals: 2,5 mm² 	 <p>SMS 03/1</p>	
	 <p>SMS 03/4</p>	
	 <p>SMS 03/5</p>	
	 <p>SMS 03/6</p>	
	 <p>SMS 03/12</p>	
	 <p>SMS 03/3</p>	
	 <p>SMS 03/2</p>	
	 <p>SMS 03/7</p>	
	 <p>SMS 03/10</p>	
	 <p>SMS 03/8</p>	
	 <p>SMS 03/9</p>	
	 <p>SMS 03/11</p>	
<p>Main current switch GHG 260</p> <p>Rated voltage: 690 V AC Rated current : 40 - 80 A Terminals: 16 - 25 mm²</p>	 <p>3 pol</p> <p>4 pol</p>	




ACTUATORS AND INDICATORS

Description, type	Mounting	Overview																										
Switch actuator SMO 17/.																												
Switch actuator GHG 260 1006																												
Front element of measuring instruments SAM 72																												
Pushbutton actuator SPO 01/.		 <table border="1" data-bbox="1209 1274 1502 1618"> <thead> <tr> <th colspan="2">Type SPO 01/.</th> </tr> </thead> <tbody> <tr><td>SPO 01/01</td><td>0</td></tr> <tr><td>SPO 01/02</td><td>I</td></tr> <tr><td>SPO 01/03</td><td>II</td></tr> <tr><td>SPO 01/04</td><td>RED</td></tr> <tr><td>SPO 01/05</td><td>GREEN</td></tr> <tr><td>SPO 01/06</td><td>WHITE</td></tr> <tr><td>SPO 01/07</td><td>START</td></tr> <tr><td>SPO 01/08</td><td>STOP</td></tr> <tr><td>SPO 01/09</td><td>ON</td></tr> <tr><td>SPO 01/10</td><td>OFF</td></tr> <tr><td>SPO 01/11</td><td>BLACK</td></tr> <tr><td>SPO 01/12</td><td>BLUE</td></tr> </tbody> </table>	Type SPO 01/.		SPO 01/01	0	SPO 01/02	I	SPO 01/03	II	SPO 01/04	RED	SPO 01/05	GREEN	SPO 01/06	WHITE	SPO 01/07	START	SPO 01/08	STOP	SPO 01/09	ON	SPO 01/10	OFF	SPO 01/11	BLACK	SPO 01/12	BLUE
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Front element of signal lamp SPO 02/.		 <table border="1" data-bbox="1209 1676 1502 1848"> <thead> <tr> <th colspan="2">Type SPO 02/.</th> </tr> </thead> <tbody> <tr><td>SPO 02/01</td><td>RED</td></tr> <tr><td>SPO 02/02</td><td>GREEN</td></tr> <tr><td>SPO 02/03</td><td>YELLOW</td></tr> <tr><td>SPO 02/04</td><td>TRANSPARENT</td></tr> </tbody> </table>	Type SPO 02/.		SPO 02/01	RED	SPO 02/02	GREEN	SPO 02/03	YELLOW	SPO 02/04	TRANSPARENT																
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SPO 02/01	RED																											
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SPO 02/03	YELLOW																											
SPO 02/04	TRANSPARENT																											
Key-operated pushbutton actuator																												

BUILD-IN COMPONENTS

Description, type	Mounting	Overview
Mushroom-head pushbutton actuator (EMERGENCY-STOP)		
Key-operated mushroom-head pushbutton actuator (EMERGENCY-STOP)		
Potentiometer acuator		
Cable gland plastic Exe/Exi ISO 16 - ISO 40		
Cable gland for armoured cable ISO 16 - ISO 40		
Plug SPC .. ISO 16 - ISO M40		
Connection part SKX		

BUILD-IN COMPONENTS

Description, type	Schema	Overview
<p>Ex Main fuse NH0 300XX, NH0, 301XX</p>	-	
<p>BUILD IN SOCKET 16 A (3p/5p), 32A (4p)</p>	-	
<p>RESIDUAL CURRENT CIRCUIT BREAKERS 2p/4p 25/40/63 A, 30 mA, 10 kA with or without auxiliary contact</p>	-	
<p>DIGITAL INDIKATORS</p>	-	