Zone

1 21 2 22

SKX 12 ... SKX 15

IP 66

IK08

T_a -20 +50

ATEX

IM2

- Enclosures made of glass-fibre reinforced polyester resin
- 4 basic enclosure sizes
- Version with or without hinged door upon customer's requirements
- Alone or in various combinations of merged set
- Equipped with built-in devices:

⇒Control devices

⇒ Indicating lamps

⇒ Pushbuttons

⇒ Control switches

⇒ Ammeters



CONSTRUCTION

Enclosure: polyester plastic reinforced with glass fiber, color - black
Cover: with integrated thermoplastic elastomer gasket, closes with four M5/M6 stainless steel screws.

TECHNICAL DATA

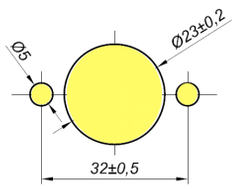
Certificate:	FIDI 19 ATEX 0051X EAC RU C-HR.HB07.B.00269/20
Marking:	CE 0722
Apparatus category:	II 2GD I M2
Marking of explosion protection:	Ex db eb ia/ib mb IIC T6 Gb Ex db eb ia/ib mb I Mb Ex tb IIIC T80°C Db
Ambient temperature:	-20ºC ≤ T_a ≤ +40ºC / +50ºC /+55ºC [ATEX] -50ºC / -40ºC / -20ºC ≤ T_a ≤ +40ºC / +50ºC /+55ºC [EAC]
Degree of protection:	IP 66 category 1 for II 2GD IP 64 category 1 for I M2
Resistance to shock:	IK 08
Protection class :	I (protective earthing)
Rated voltage:	630 V AC (with mantle terminals block SL5, SL8 Ui = 400 VAC)
Thermal current I_{the} :	16 A max. at T_a -20°C ÷ +40°C 10 A max. at T_a -20°C ÷ +50°C 7 A max. at T_a -20°C ÷ +55°C
PE terminals (inside of the enclosure):	max. 2x4 mm^2 + 2x2,5 mm^2 , 3x4 mm^2 , 2x6 mm^2
Weight (only GRP boxes):	SKX 12 ..... 0.5 kg SKX 13 ..... 0,7 kg SKX 14 ..... 1.0 kg SKX 15 ..... 1.0 kg

MOUNTING

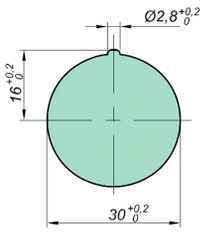
With screw kit through the housing holes ϕ6 mm at the peaks the rectangle:
SKX 12: 75 x 50 mm
SKX 13: 75 x 100 mm
SKX 14: 75 x 150 mm
SKX 15/15H: 125 x 150 mm

Possible combinations and layout of indicators and actuators components

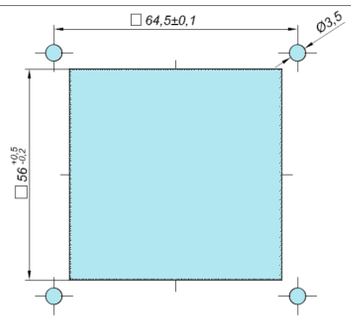
** mounting proposals and dimensions*



Switch actuator SMO 17/.
Switch mounting

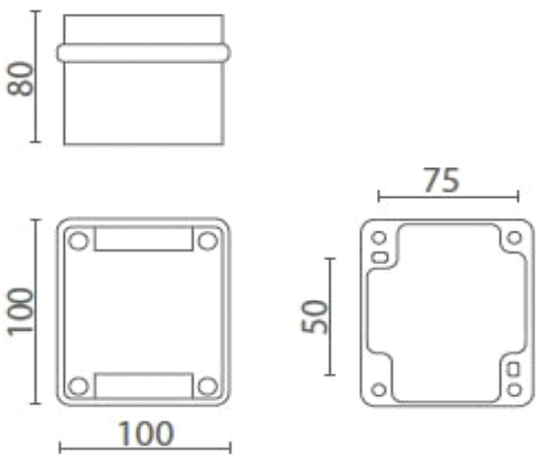


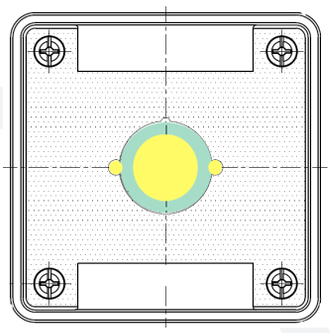
Pushbutton actuator SPO 01/.
Front element of signal lamp SPO 02/.
Pushbutton, signal lamp and potentiometer mounting



Front element of measuring instrument
(AM, VM) SAM 72
Measuring instrument mounting AM, VM

Enclosure type SKX 12





Max. No. of cable glands (for plastic cable glands)			
cable gland side	**M16**	**M20**	**M25**
A-C	2	2	1
B-D	2	2	1

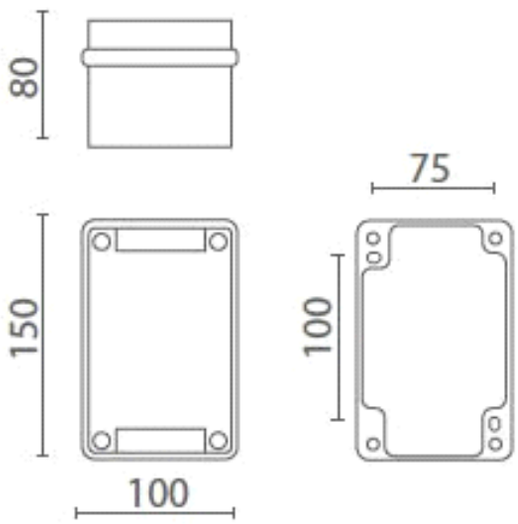


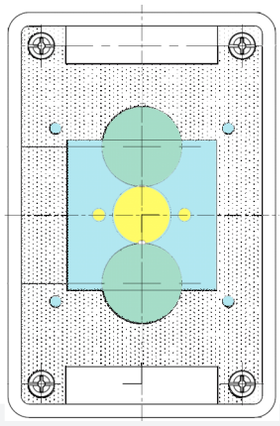


All technical data is relevant at the time of print.

SKX 12 … SKX 15

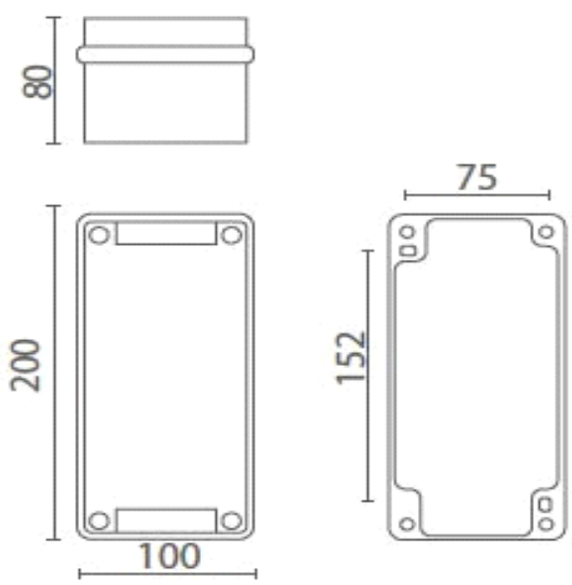
Enclosure type SKX 13

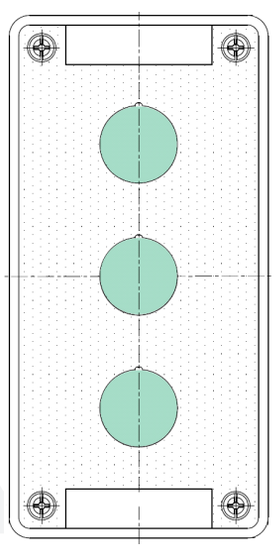




Max. No. of cable glands (for plastic cable glands)			
cable gland / side	**M16**	**M20**	**M25**
A-C	2	2	1
B-D	4	3	2

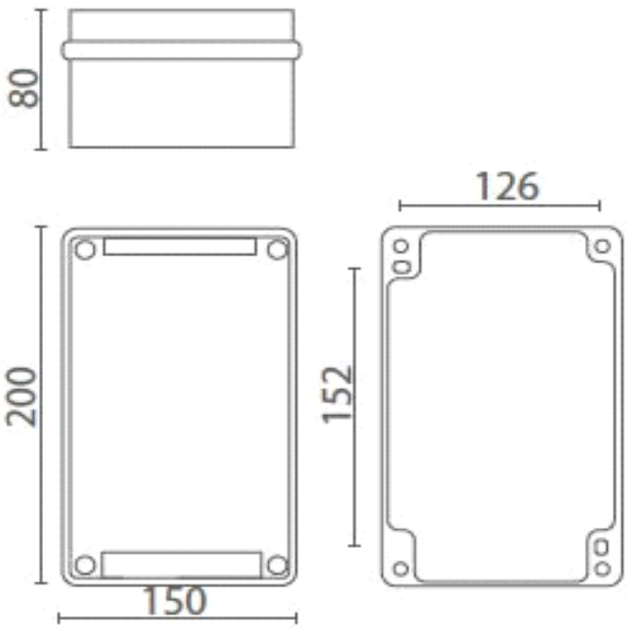
Enclosure type SKX 14

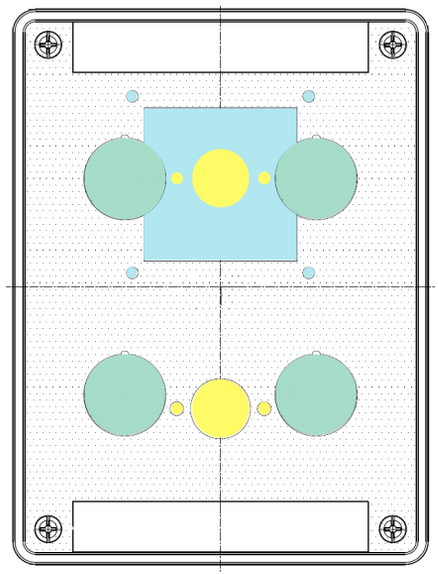




Max. No. of cable glands (for plastic cable glands)				
cable gland / side	**M16**	**M20**	**M25**	**M32**
A-C	2	2	1	1
B-D	6	4	3	2

Enclosure type SKX 15



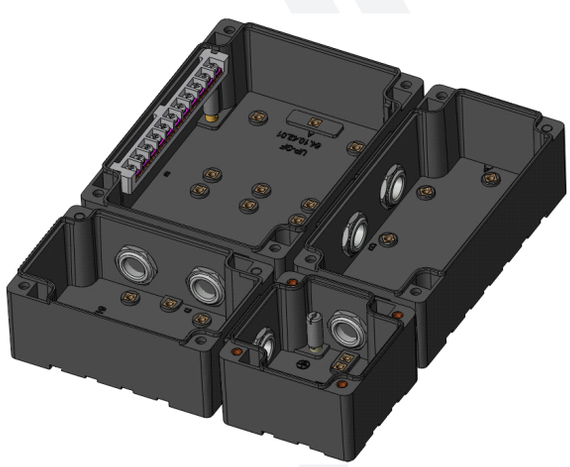


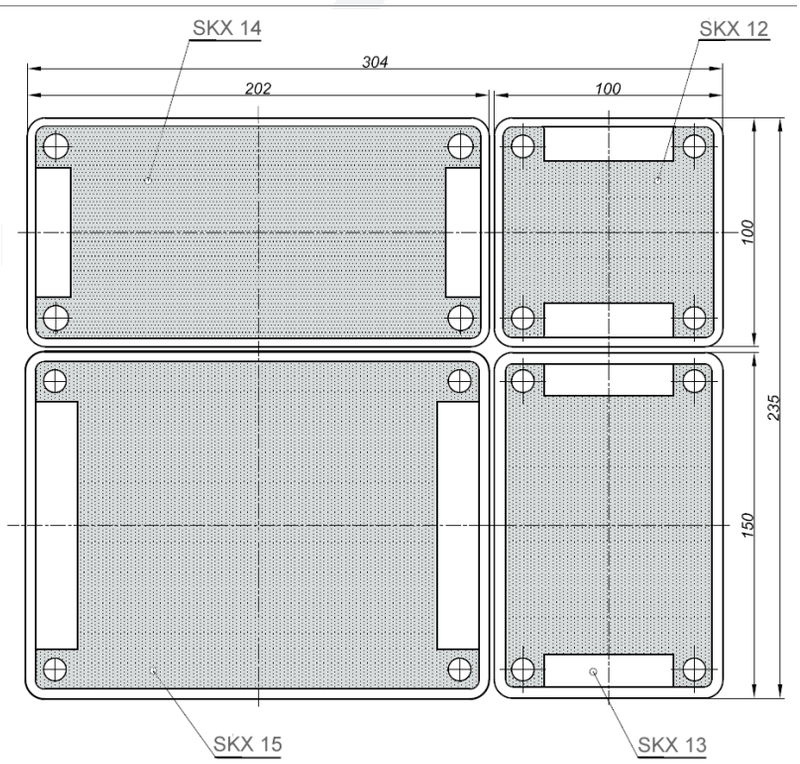
Max. No. of cable glands (for plastic cable glands)				
cable gland side	**M16**	**M20**	**M25**	**M32**
A-C	4	3	2	1
B-D	6	4	3	2

* with built-in N/PE busbar

cable gland side	**M16**	**M20**	**M25**	**M32**
A-C	4	3	2	1
B-D	5	3	3	-

Various combinations of merged set (combination) of SKX enclosures



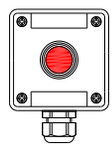
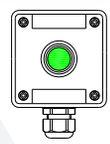
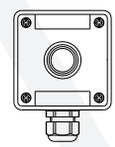
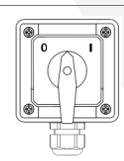
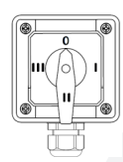
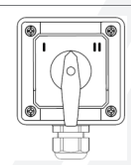
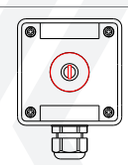
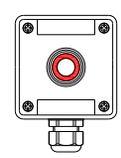
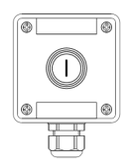


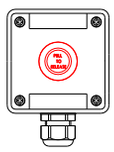
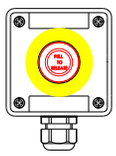
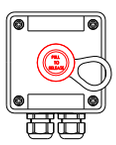
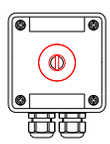
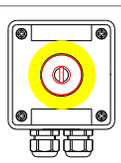
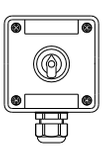
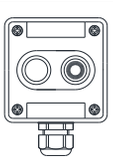
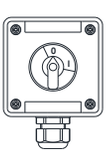
SKX 12 ... SKX 15

MODEL CODE

The program consists of serial control units and control units tailored to customer's request.

SKX 12/..

Type	Built-in components and actuator / indicator	Overview
SKX 12/1	Signal lamp SLP - red SPO 02/1 - cable gland SPU 25	
SKX 12/2	Signal lamp SLP - green SPO 02/2 - cable gland SPU 25	
SKX 12/3	Signal lamp SLP - white SPO 02/4 - cable gland SPU 25	
SKX 12/21	Control switch SMS 03/1 - switch actuator SMO 17/1 - cable gland SPU 25	
SKX 12/22	Serial switch SMS 03/8 - switch actuator SMO 17/5 - cable gland SPU 25	
SKX 12/23	Control switch SMS 03/4 - switch actuator SMO 17/2 - cable gland SPU 25	
SKX 12/31	Pushbutton PBT 01 (1NO+1NC) - Key-operated mushroom head pushbutton actuator - cable gland SPU 25	
SKX 12/31-1	Pushbutton PBT 01 (1NO+1NC) - Key-operated mushroom head pushbutton actuator with accidental contact protection - cable gland SPU 25	
SKX 12/32	Pushbutton PBT 01 (1NO+1NC) - pushbutton actuator SPO 01/1 - cable gland SPU 25	
SKX 12/33	Pushbutton PBT 01 (1NO+1NC) - pushbutton actuator SPO 01/2 - cable gland SPU 25	

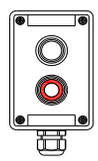
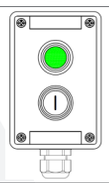
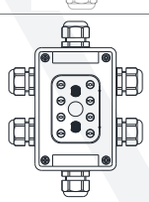
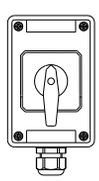
Type	Built-in components and actuator / indicator	Overview
SKX 12/34	Pushbutton PBT 01 (1NO+1NC) - Mushroom-head pushbutton actuator - cable gland SPU 25	
SKX 12/34-1	Pushbutton PBT 01 (1NO+1NC) - Mushroom-head pushbutton actuator with accidental contact protection - cable gland SPU 25	
SKX 12/35	Pushbutton PBT 01 (1NO+1NC) - Mushroom-head pushbutton actuator with protector - 2x cable gland M20	
SKX 12/36	Pushbutton PBT 01 (1NO+1NC) - Key-operated pushbutton - 2x cable gland M20	
SKX 12/36-1	Pushbutton PBT 01 (1NO+1NC) - Key-operated pushbutton with accidental contact protection - 2x cable gland M20	
SKX 12/37	Potentiometer - cable gland SPU 25	
SKX 12/40	Control switch - pushbutton actuator with two axes 1NO / 1NC - cable gland SPU 25	
SKX 12/41	Control switch - pushbutton rotational actuator (large) - cable gland SPU 25	
SKX 12/42	Control switch - pushbutton rotational actuator (small) - cable gland SPU 25	

SKX 12 ... SKX 15

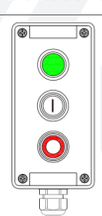
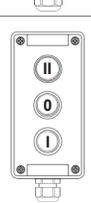
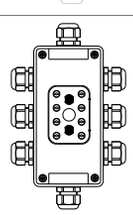
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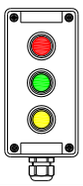
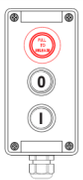
The program consists of serial control units and control units tailored to customer's request.

SKX 13/..

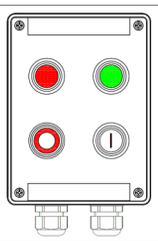
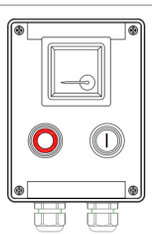
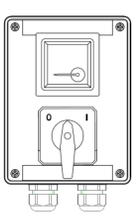
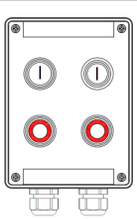
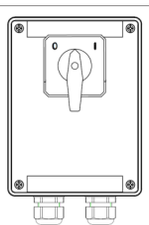
Type	Built-in components and actuator / indicator	Overview
SKX 13/1	2x pushbutton PBT 01 (1NO+1NC) - SPO 01/1 - SPO 01/2 - cable gland SPU 25	
SKX 13/11	Pushbutton PBT 01 (1NO+1NC) - SPO 01/2 - Signal lamp SLP - Front element of signal lamp SPO 02/2 - cable gland SPU 25	
SKX 13/21	Mantle terminals SL 8 - 6x cable gland SPU 25	
SKX 13/10	Switch SMS 03/1 - switch actuator SMO 17/1 - cable gland SPU 25	
SKX 13/20	SMS 03/4 - SMO 17/2 - SPU 25	
SKX 13/30	SMS 03/5 - SMO 17/2 - SPU 25	
SKX 13/40	SMS 03/6 - SMO 17/2 - SPU 25	
SKX 13/60	SMS 03/3 - SMO 17/3 - SPU 25	
SKX 13/70	SMS 03/2 - SMO 17/1 - SPU 25	
SKX 13/80	SMS 03/7 - SMO 17/1 - SPU 25	
SKX 13/100	SMS 03/8 - SMO 17/5 - SPU 25	
SKX 13/110	SMS 03/9 - SMO 17/1 - SPU 25	
SKX 13/120	SMS 03/11 - SMO 17/3 - SPU 25	

SKX 14/..

Type	Built-in components and actuator / indicator	Overview
SKX 14/1	2x pushbutton PBT 01 (1NO+1NC) - SPO 01/1 - SPO 01/2 - Signal lamp SLP - SPO 02/2 - cable gland SPU 25	
SKX 14/11	3x pushbutton PBT 01 (1NO+1 NC) - pushbutton actuator SPO 01/1 - SPO 01/2 - SPO 01/3 • cable gland SPU 25 **I - 0 - II**	
SKX 14/21	Mantle terminals SL 8 - 8x cable gland SPU 25	

Type	Built-in components and actuator / indicator	Overview
SKX 14/22	3x signal lamp SLP front element of signal lamp SPO 02/1 - SPO 02/2 - SPO 02/3 - cable gland SPU 25	
SKX 14/31	3x pushbutton PBT 01 (1NO+1NC) - pushbutton actuator SPO 01/1 - SPO 01/2 Mushroom-head pushbutton actuator - cable gland SPU 25 **I - 0 - EM**	

SKX 15/..

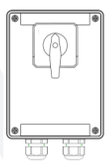
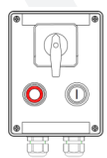
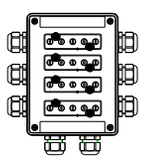
Type	Built-in components and actuator / indicator	Overview
SKX 15/1	2x pushbutton PBT 01 (1NO+1NC) - SPO 01/1 - SPO 01/2 - 2x signal lamp SLP - 02/1 - SPO 02/2 - 2x cable gland SPU 25	
SKX 15/11	2x pushbutton PBT 01 (1NO+1NC) - pushbutton actuator SPO 01/1 - SPO 01/2 - ammeter AM 72 with scale created according to customer's request - 2x cable gland SPU 25	
SKX 15/21	- switch SMS 03/2 - switch actuator SMO 17/1 - ammeter AM 72 with scale created according to customer's request - 2x cable gland SPU 25	
SKX 15/34	4x pushbutton PBT 01 (1NO+1NC) - 2xSPO 01/1 - 2xSPO 01/2 - 2x cable gland SPU 25	
SKX 15/41	- switch SMS 03/7 - switch actuator SMO 17/1 - 2x max. 16 mm2 feed through terminal blocks - 2x cable gland SPU 25	

SKX 12 ... SKX 15

MODEL CODE

The program consists of serial control units and control units tailored to customer's request.

SKX 15/..

Type	Built-in components and actuator / indicator	Overview
SKX 15/50	Switch SMS 03/12 - SMO 17/2 - 2x cable gland SPU 25	
SKX 15/90	Switch SMS 03/10 - SMO 17/3 I-0-II - 2x cable gland SPU 25	
SKX 15/51	Switch SMS 03/11 - SMO 17/3 I-0-II - 2x pushbutton PBT/01 (1NO+1NC) - SPO 01/1 - SPO 01/2 2x cable gland SPU 25	
SKX 15/65	4x mantle terminals SL5 (max. 4x4 mm2 per terminal) - 8x cable gland SPU 25	

Example: **Ex control units SKX 15/MSRU** (with PBT-F fuse)

