
PUT TO RELEASE
UPOZORENJE
NE OTVARAJ POD
NAPONOM


I
II
FILL
Hi
HiHi
STOP
START
TEP Ex
WARNING
DO NOT OPEN WHEN ENERGIZED
TEP Ex


PULL TO RELEASE
TEP Ex
WARNING
DO NOT OPEN WHEN ENERGIZED

Zone

1 21 2 22

SKX 16 .... SKX 20

IP 66

IK 08/09

T_a -20 +50

ATEX

- 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 or without hinged door upon customer's requirements

CONSTRUCTION

Enclosure: polyester plastic reinforced with glass fiber, color - black
Stainless steel AISI 316L, brush finished, thickness 1.5 mm
Cover: with integrated thermoplastic elastomer gasket, closes with four/six M5/M6 stainless steel screws.

TECHNICAL DATA

Certificate:	FIDI 19 ATEX 0052X, FIDI 19 ATEX 0053 RU C-HR.HB07.B.00269/20
Marking:	CE 0722
Apparatus category:	II 2G II 2D
Marking of explosion protection:	Ex db eb mb ia/ib IIC T4-T6 Gb Ex tb IIIC T80°C Db
Ambient temperature:	-20ºC ≤ T_a ≤ +40ºC / +50ºC [ATEX] -50ºC / -40ºC / -20ºC ≤ T_a ≤ +40ºC / +50ºC / +55ºC [EAC]
Degree of protection:	IP 66 category 1
Resistance to shock:	IK 08 (GRP enclosures) IK 09 (stainless steel enclosures)
Protection class :	I (protective earthing)
Rated voltage:	690 V AC (with mantle terminal blocks SL5, SL8; Ui = 400 VAC)
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:	Depends 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's 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.

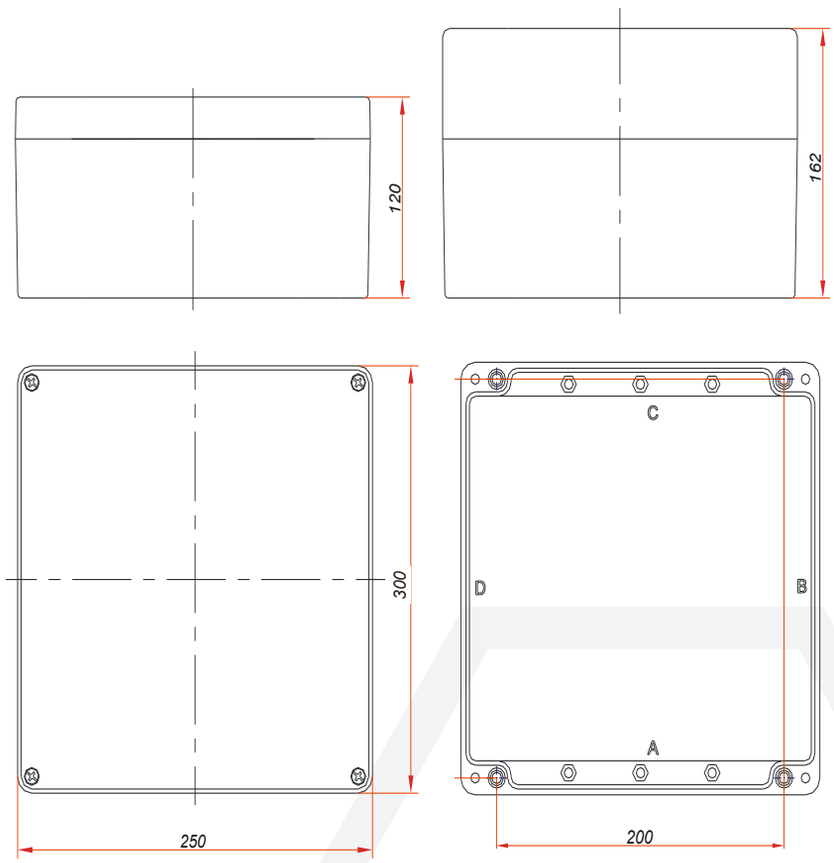
Example: ***SKX 18 I / SRU -1280***

⇒ *managing the combination of the housing* ***MMK 403016***

⇒ ***I*** *- stainless steel enclosure AISI 316L*

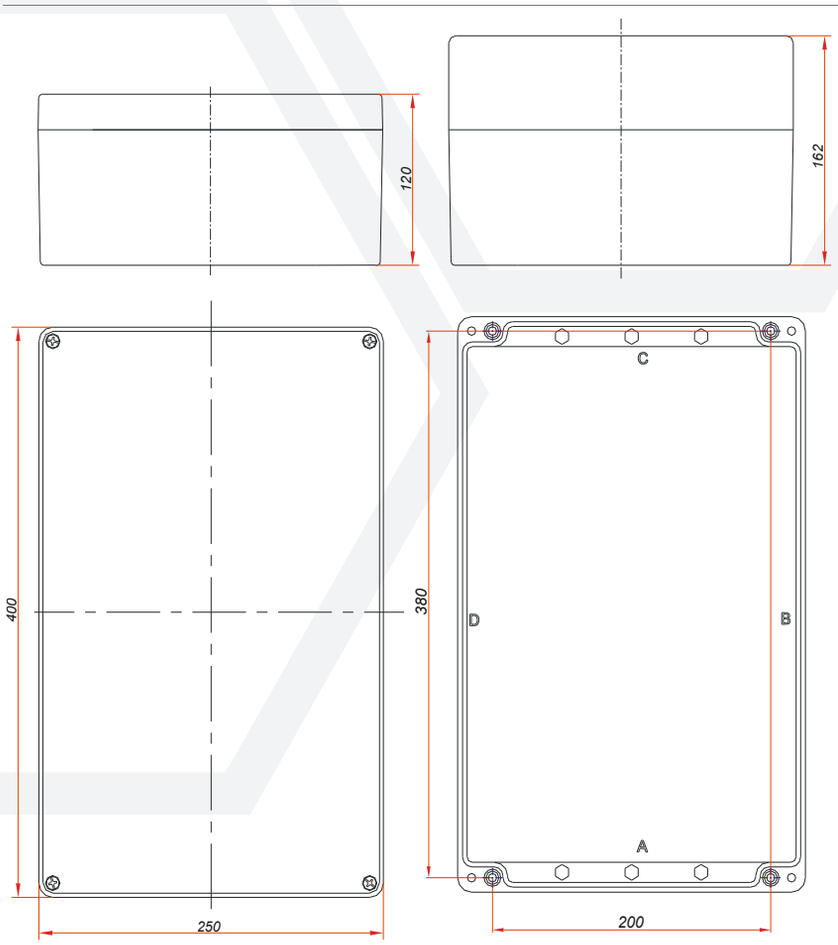
⇒ *performed by production number* ***1280***

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

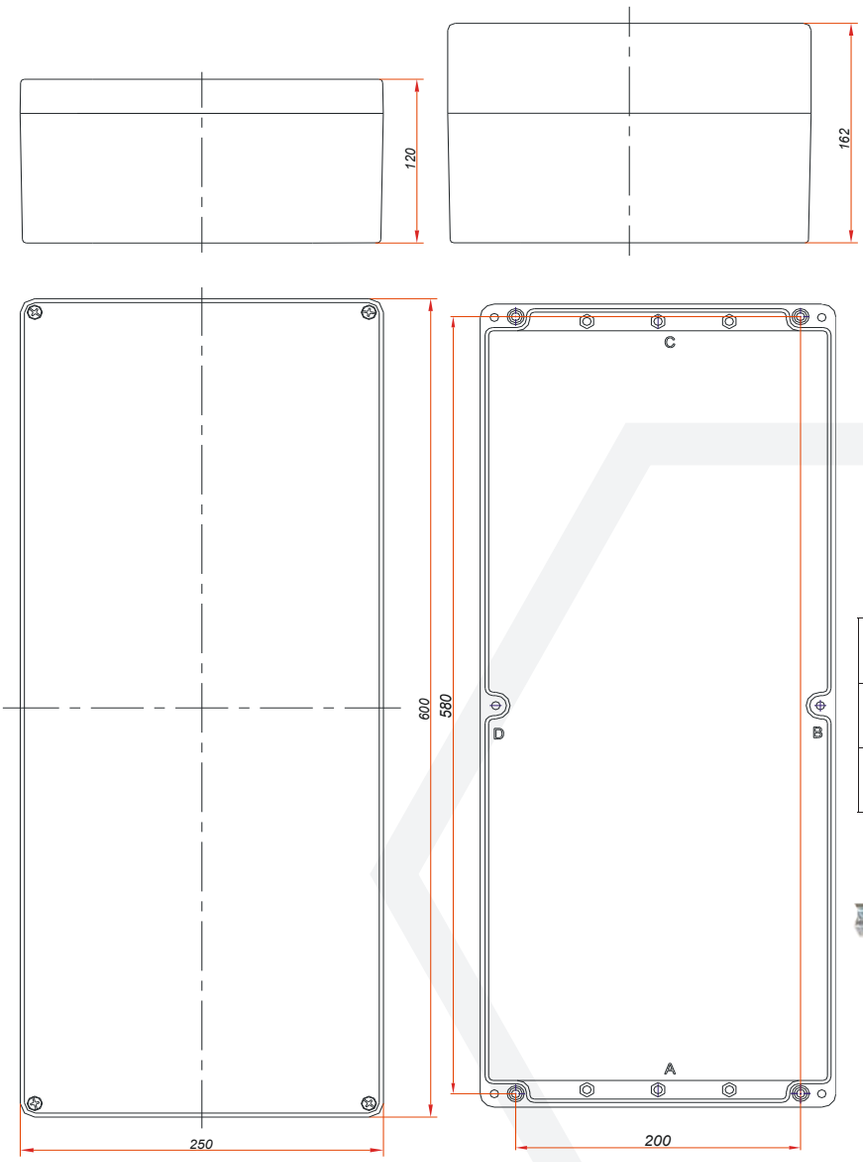


Side / Cable gland	M20	M25	M32	M40	M50	M63
B-D	17	15	9	6	5	4
A-C	9	7	3	3	2	2

All technical data is relevant at the time of print.

SKX 16 .... SKX 20

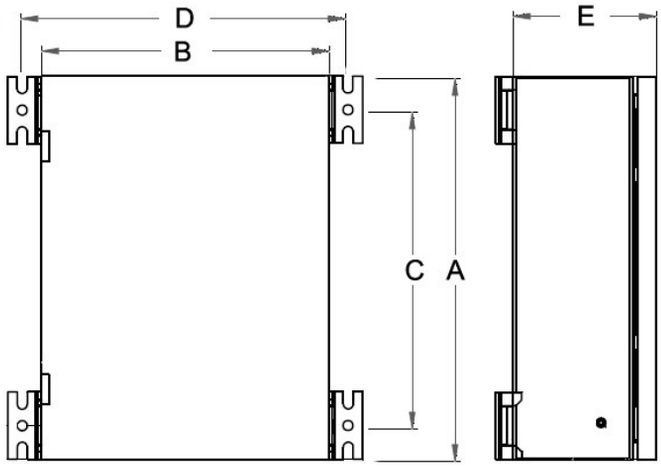
GRP enclosure SKX 20

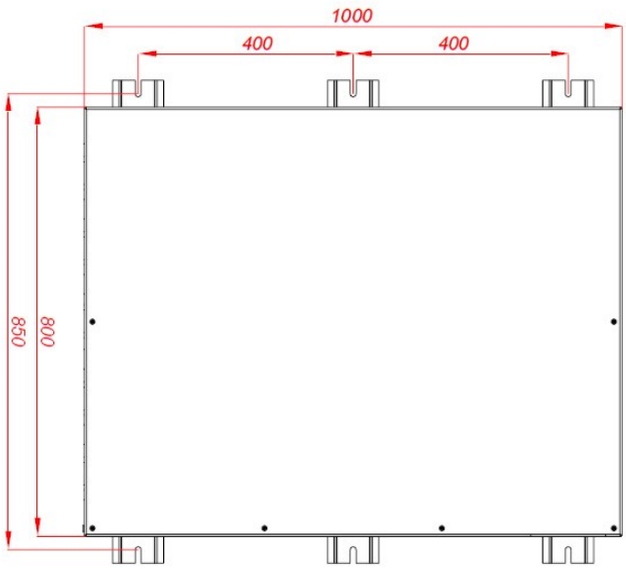


Side / Cable gland	M20	M25	M32	M40	M50	M63
B-D	24	22	12	8	6	6
A-C	9	7	3	3	2	2

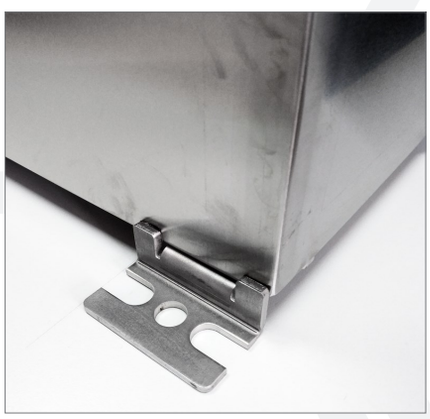
Example: Ex control units with GRP enclosures

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





Type	A[mm]	B[mm]	C[mm]	D[mm]	E[mm]
SKX 16I/SRU	300	300	245	330	150
SKX 18I/SRU	400	300	325	330	
SKX 20I-1/SRU	600	400	530	440	200
SKX 20I-2/SRU	1000	800	800	850	



TYPE Dimension	**SKX 16I/SRU** 300x300x150		**SKX 18I/SRU** 400x300x150		**SKX 20I-1/SRU** 600x400x200		**SKX 20I-2/SRU** 1000x800x200	
Cable gland	A-C	B-D	A-C	B-D	A-C	B-D	A-C	B-D
M20x1.5	11	11	17	11	30	17	60	48
M25x1.5	9	9	15	9	26	15	48	36
M32x1.5	5	5	9	5	14	9	28	20
M40x1.5	3	3	6	3	12	6	22	14
M50x1.5	3	3	5	3	6	5	10	8
M63x1.5	2	2	4	2	6	4	8	6

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