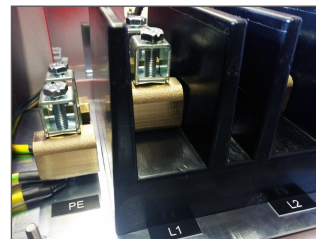


IP 66



- Nominal voltage
6,3 kV

- Max. current
420 A / 185 mm²



CONSTRUCTION

Enclosure: sheet steel 2,5 mm
Gasket: EPDM formed gasket

TECHNICAL DATA

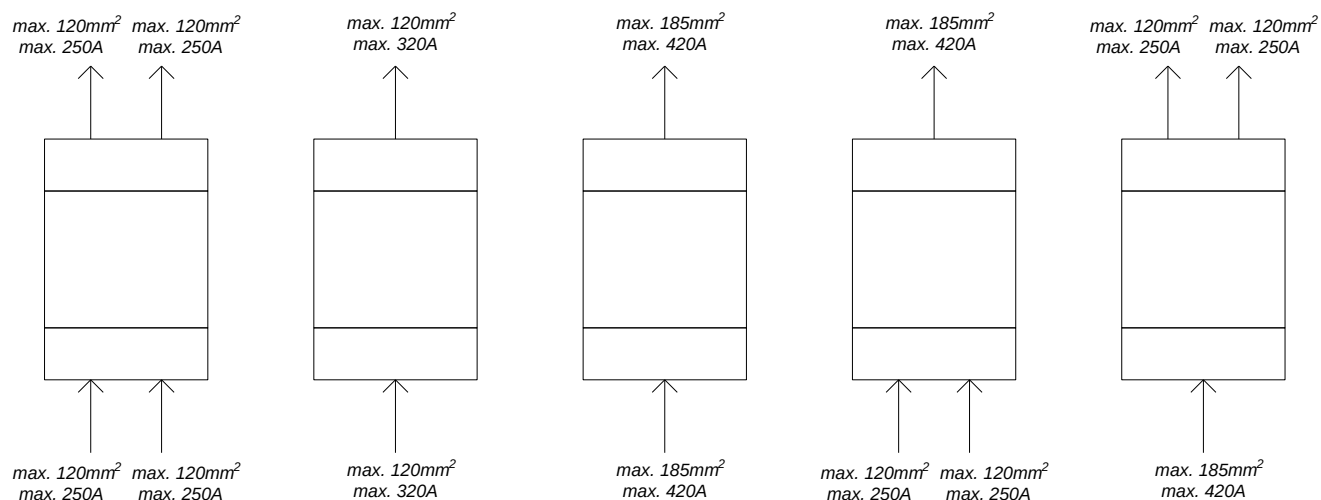
Certificate:	Ex FIDI 20 ATEX 0019
Marking:	CE 0722
Apparatus category:	I M2 II 2GD
Marking of explosion protection:	Ex eb I Mb Ex eb IIC T6-T4 Gb Ex tb IIIC T80°C Db
Ambient temperature ATEX:	-20°C ≤ T _a ≤ +40°C
Degree of protection:	IP 66
Resistance to shock:	IK 09
Protection class :	I (protective earthing)
Nominal voltage U _n :	6,3 kV ±10%AC
Max. current I _{max} :	420 A / 185 mm ² 320 A / 120 mm ²
Incoming and outgoing cable connection terminals:	Terminal 120 mm ² for cable 16 mm ² up to 120 mm ² Terminal 185 mm ² for cable 16 mm ² up to 185 mm ²

Max. currents table:

Conductor cross section	16 mm ²	25 mm ²	35 mm ²	50 mm ²	70 mm ²	95 mm ²	120 mm ²	Marking
Terminals	120 mm ² / 185 mm ²							
Max.current temperature cable resistance 110°C	30 A	50 A	70 A	105 A	150 A	200 A	250 A	I M2 Ex eb I Mb II 2G Ex eb IIC T4 Gb II 2D Ex tb IIIC T80°C Db
Max.current temperature cable resistance 90°C	25 A	40 A	60 A	85 A	120 A	160 A	200 A	I M2 Ex eb I Mb II 2G Ex eb IIC T5 Gb II 2D Ex tb IIIC T80°C Db
Max.current temperature cable resistance 70°C	20 A	30 A	45 A	65 A	90 A	120 A	150 A	I M2 Ex eb I Mb II 2G Ex eb IIC T6 Gb II 2D Ex tb IIIC T80°C Db
Terminals number per "C" busbar	2 + 2 (total 4 terminals and 4 cables)							

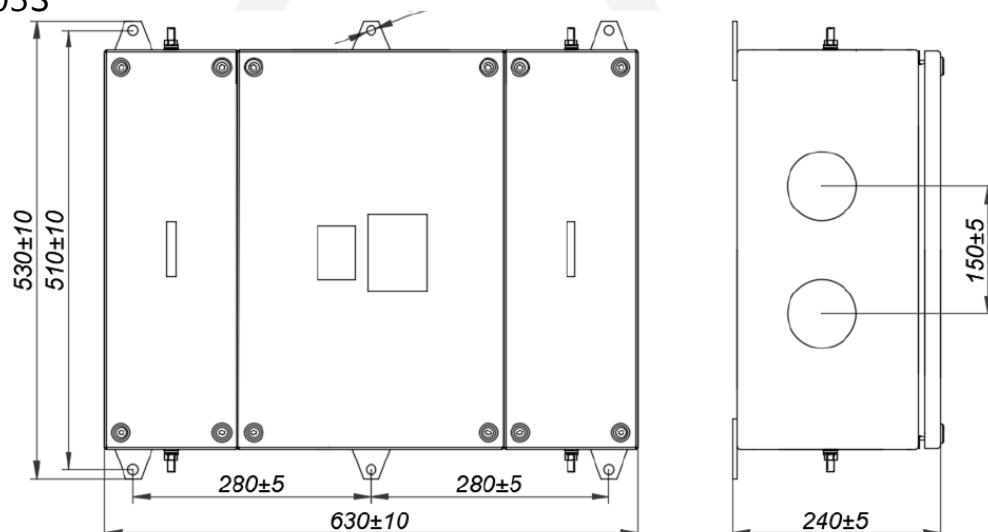
High voltage junction box

Cable possible connection (temperature cable resistance 110°C)

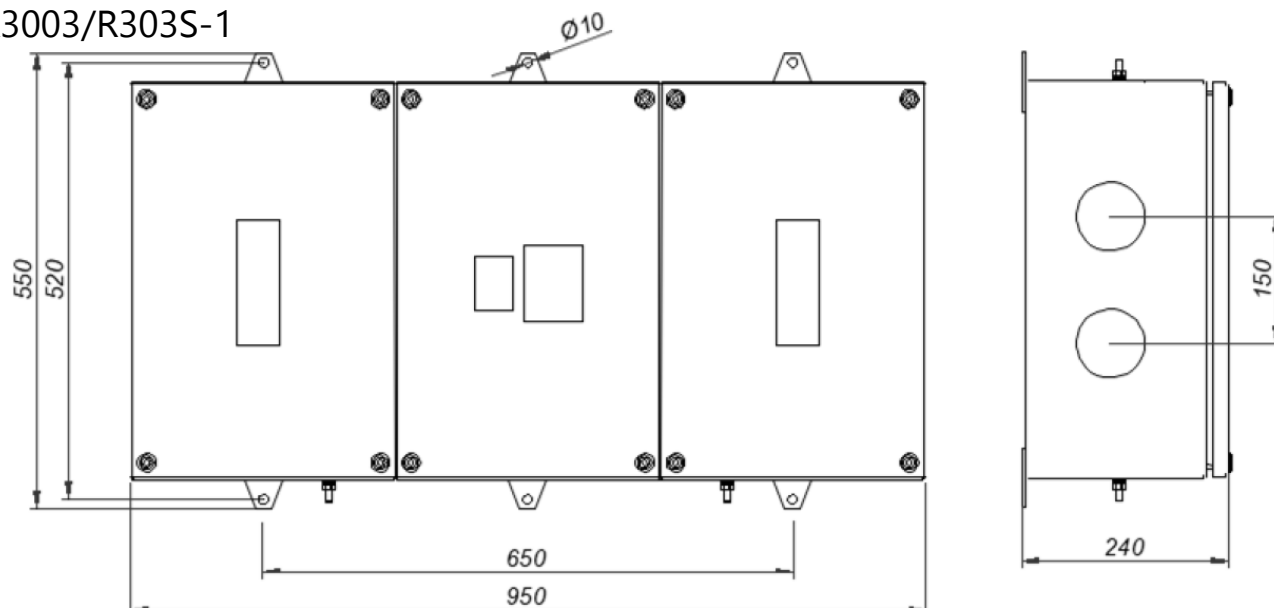


DIMENSION (mm)

R3003/R303S



R3003/R303S-1



All technical data is relevant at the time of print.