

## Trip free switches DMX<sup>3</sup>-I 1600

from 1000 to 1600 A



0 280 52



Dimensions [see e-catalogue](#)

Conform to IEC 60947-3

Pack	Cat.Nos		Fixed version
	Frame 1600 3P      4P		
1	0 280 50	0 280 56	Supplied with: - 4 auxiliary contacts: NO/NC - rear orientable terminals for horizontal and vertical connection with bars - door sealing
1	0 280 51	0 280 57	
1	0 280 52	0 280 58	
			In (A)
			1000
			1250
			1600

Pack	Cat.Nos		Draw-out version
	Frame 1600 3P      4P		
1	0 280 47	0 280 65	Supplied with: - 4 auxiliary contacts: NO/NC - door sealing To be installed on a draw-out base Cat.No 0 281 53 or 0 281 54
1	0 280 53	0 280 91	
1	0 280 59	0 280 92	
			In (A)
			1000
			1250
			1600

## Trip free switches DMX<sup>3</sup>-I 1600

from 1000 to 1600 A

### Technical characteristics

Trip free switch DMX <sup>3</sup> -I		1600
Frame		1600
Rating In (A)		1000 1250 1600
Rated insulation voltage Ui (V)		1000
Rated impulse withstand voltage Uimp (kV)		12
Rated operational voltage (50/60Hz) Ue (V)		690
Category of use		AC23A
Isolation behaviour		Yes
Short-circuit making capacity Icm (kA)	220 / 240 V~	105
	380 / 415 V~	105
	440 / 460 V~	105
	480 / 500 V~	105
	600 V~	88
	690 V~	88
Short time withstand current Icw (kA) for t = 1 s	220 / 240 V~	50
	380 / 415 V~	50
	440 / 460 V~	50
	480 / 500 V~	50
	600 V~	42
	690 V~	42
Endurance (cycles)	mechanical without maintenance	5000
	mechanical with maintenance	10000
	electrical	1500 at 690 V / 3000 at 415 V
Temperature	operation	-5°C to +70°C
	storage	-25°C to +85°C

### Temperature derating

Fixed / draw-out version

	Temperature									
	40°C		50°C		60°C		65°C		70°C	
	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>	I <sub>max</sub> (A)	I <sub>r</sub> / I <sub>n</sub>
DMX <sup>3</sup> -I 1600	1000	1	1000	1	1000	1	1000	1	1000	0.95
	1250	1	1250	1	1250	1	1187	0.95	1125	0.9
	1600	1	1600	1	1328	0.83	1280	0.8	1216	0.76



Dimensions [see e-catalogue](#)

