

Trip free switches DMX³-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 62	0 280 68	Supplied with: - 4 auxiliary contacts: NO/NC - draw-out base and kit - rear orientable terminals for horizontal and vertical connection with bars - door sealing
1	0 280 63	0 280 69	
1	0 280 64	0 280 70	
		In (A)	
		1000	
		1250	
		1600	

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Technical characteristics

Trip free switch DMX ³ -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 _{max} (A)	I _r / I _n	I _{max} (A)	I _r / I _n	I _{max} (A)	I _r / I _n	I _{max} (A)	I _r / I _n	I _{max} (A)	I _r / I _n
DMX ³ -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](#)

