

Trip free switches DMX³-I

from 1250 A to 6300 A



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from 1250 A to 6300 A



0 282 53



0 282 93

Dimensions p. 228 to 232

Conform to IEC 60947-3

Pack	Cat.Nos	Fixed version
		Supplied with: - 2 auxiliary contacts: NO/NC - flat rear terminals for connection with bars - door sealing
		DMX³-I 2500
		Frame 2500
		In(A)
1	0 282 40 0 282 50	1250
1	0 282 41 0 282 51	1600
1	0 282 42 0 282 52	2000
1	0 282 43 0 282 53	2500
		DMX³-I 4000
		Frame 4000
		In(A)
1	0 282 44 0 282 54	3200
1	0 282 45 0 282 55	4000
		DMX³-I 6300
		Frame 6300
		In(A)
1	0 282 88 0 282 89	6300

Pack	Cat.Nos	Draw-out version
		Supplied with: - 2 auxiliary contacts: NO/NC - draw-out base and kit - flat rear terminals for connection with bars - door sealing
		DMX³-I 2500
		Frame 2500
		In(A)
1	0 282 80 0 282 90	1250
1	0 282 81 0 282 91	1600
1	0 282 82 0 282 92	2000
1	0 282 83 0 282 93	2500
		DMX³-I 4000
		Frame 4000
		In(A)
1	0 282 84 0 282 94	3200
1	0 282 85 0 282 95	4000
		DMX³-I 6300
		Frame 6300
		In(A)
1	0 282 98 0 282 99	6300

Technical characteristics

Trip free switch DMX ³ -I	2500	4000	6300
Frame	2500	4000	6300
Rating In (A)	1250 1600 2000 2500	3200 4000	6300
Rated insulation voltage U _i (V)	1000	1000	1000
Rated impulse withstand voltage U _{imp} (kV)	12	12	12
Rated operational voltage (50/60Hz) U _e (V)	690	690	690
Isolation behaviour	Yes	Yes	Yes
Short-circuit making capacity I _{cm} (kA)	230 V~	143	220
	415 V~	143	220
	500 V~	143	220
	600 V~	132	165
	690 V~	121	143
Short time withstand current I _{cs} (kA) for t = 1 s	230 V~	65	85
	415 V~	65	85
	500 V~	65	85
	600 V~	60	75
	690 V~	55	65
Endurance (cycles)	mechanical	10000	10000
	electrical	5000	5000
Temperature	operation	-5°C to +70°C	-5°C to +70°C
	storage	-25°C to +85°C	-25°C to +85°C

Temperature derating

Fixed 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 2500	1250	1	1250	1	1250	1	1250	1	1250	1
	1600	1	1600	1	1600	1	1600	1	1600	1
	2000	1	2000	1	1960	0.98	1920	0.96	1880	0.94
	2500	1	2500	1	2350	0.94	2250	0.9	2150	0.86
DMX ³ -I 4000	3200	1	3200	1	3200	1	3136	0.98	3008	0.94
	4000	1	4000	1	3680	0.92	3440	0.86	3120	0.78
DMX ³ -I 6300	6300	1	6300	1	6048	0.96	5796	0.92	5544	0.88

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 2500	1250	1	1250	1	1250	1	1250	1	1250	1
	1600	1	1600	1	1600	1	1600	1	1600	1
	2000	1	2000	1	1960	0.98	1920	0.96	1875	0.94
	2500	1	2400	0.96	2250	0.9	2100	0.84	1950	0.78
DMX ³ -I 4000	3200	1	3200	1	3200	1	3072	0.96	2880	0.9
	4000	1	3760	0.94	3440	0.86	3200	0.8	2960	0.74
DMX ³ -I 6300	6300	1	6174	0.98	5985	0.95	5796	0.92	5292	0.84