

Trip free switches DMX³-I

from 1250 to 6300 A



0 286 96



0 287 96

Dimensions [see e-catalogue](#)

Conform to IEC 60947-3

Pack	Cat.Nos	Fixed version
		Supplied with: - 4 auxiliary contacts: NO/NC - flat rear terminals for connection with bars - door sealing
		DMX³-I 2500
	Frame 2500	In(A)
	3P 4P	
1	0 286 83 0 286 93	1250
1	0 286 84 0 286 94	1600
1	0 286 85 0 286 95	2000
1	0 286 86 0 286 96	2500
		DMX³-I 4000
	Frame 4000	In(A)
	3P 4P	
1	0 286 87 0 286 97	3200
1	0 286 88 0 286 98	4000
		DMX³-I 6300
	Frame 6300	In(A)
	3P 4P	
1	0 289 70 0 289 71	6300

Pack	Cat.Nos	Draw-out version
		Supplied with: - 4 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)
	3P 4P	
1	0 287 83 0 287 93	1250
1	0 287 84 0 287 94	1600
1	0 287 85 0 287 95	2000
1	0 287 86 0 287 96	2500
		DMX³-I 4000
	Frame 4000	In(A)
	3P 4P	
1	0 287 87 0 287 97	3200
1	0 287 88 0 287 98	4000
		DMX³-I 6300
	Frame 6300	In(A)
	3P 4P	
1	0 289 77 0 289 78	6300

Dimensions of DMX³-I range, [see e-catalogue](#)



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from 1250 to 6300 A

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 Ui (V)	1000	1000	1000
Rated impulse withstand voltage Uimp (kV)	12	12	12
Rated operational voltage (50/60Hz) Ue (V)	690	690	690
Isolation behaviour	Yes	Yes	Yes
Short-circuit making capacity Icm (kA)	230 V \sim	143	220
	415 V \sim	143	220
	500 V \sim	143	220
	600 V \sim	132	165
Short time withstand current Icw (kA) for t = 1 s	230 V \sim	65	85
	415 V \sim	65	85
	500 V \sim	65	85
	600 V \sim	60	75
Endurance (cycles)	mechanical	10000	10000
	electrical	5000	5000
	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