

Trip free switches DMX-SP-I 2500

from 630 A to 2500 A



DMX SP 2500 and DMX-SP-I 2500

from 630 A to 2500 A



6 702 29

Dimensions p. 208-209

Conform to IEC 60947-3

Pack	Cat.Nos		Fixed version
	<div style="border: 1px solid red; padding: 2px; display: inline-block;">JANUARY 2024</div> Frame 2500 3P 4P		Supplied with: - 1 auxiliary contact: NO/NC - door sealing
1	6 702 80	6 702 85	In (A) 630
1	6 702 81	6 702 86	800
1	6 702 82	6 702 87	1000
1	6 702 83	6 702 88	1250
1	6 702 84	6 702 89	1600
1	6 702 28	6 702 58	2000
1	6 702 29	6 702 59	2500
	<div style="border: 1px solid red; padding: 2px; display: inline-block;">JANUARY 2024</div> Frame 2500 3P 4P		Draw-out version
			Supplied with: - 1 auxiliary contact: NO/NC - door sealing To be installed on a draw-out base Cat.No 6 696 10 or 6 696 11 (p. 200)
1	6 702 90	6 702 95	In (A) 630
1	6 702 91	6 702 96	800
1	6 702 92	6 702 97	1000
1	6 702 93	6 702 98	1250
1	6 702 94	6 702 99	1600
1	6 702 64	6 702 74	2000
1	6 702 69	6 702 79	2500

Technical characteristics

Device	DMX-SP 2500	DMX-SP-I 2500	
Frame	2500	2500	
Rated current In (A)	630 / 800 / 1000 / 1250 / 1600 / 2000 / 2500	630 / 800 / 1000 / 1250 / 1600 / 2000 / 2500	
Rated insulation voltage (50/60Hz) Ui (V)	1000	1000	
Rated operational voltage (50/60Hz) Ue (V)	690	690	
Rated impulse withstand voltage Uimp (kV)	12	12	
Category of use	B	AC23A	
Suitable for isolation	Yes	Yes	
Breaking capacity at 415 V~ (kA)	42	50	-
Rated ultimate short-circuit breaking capacity Icu (kA)	220 / 240 V~	42	50
	380 / 415 V~	42	50
	440 / 460 V~	42	50
IEC 60947-2	480 / 500 V~	42	50
	600 V~	42	42
	690 V~	42	42
	Rated service short-circuit breaking capacity Ics (%Icu)	100	
Rated short-circuit making capacity Icm (kA)	220 / 240 V~	88	105
	380 / 415 V~	88	105
	440 / 460 V~	88	105
IEC 60947-2	480 / 500 V~	88	105
	600 V~	88	88
	690 V~	88	88
	Rated short time withstand current Icw (kA) for t = 1 s	220 / 240 V~	42
380 / 415 V~		42	50
440 / 460 V~		42	50
IEC 60947-2	480 / 500 V~	42	50
	600 V~	42	42
	690 V~	42	42
	Rated Short time withstand current Icw (kA) for t = 3 s	220 / 240 V~	25
380 / 415 V~		25	25
440 / 460 V~		25	25
IEC 60947-2	480 / 500 V~	25	25
	600 V~	25	25
	690 V~	25	25
	Endurance (cycles)	mechanical without maintenance	5000
mechanical with maintenance		10000	
electrical without maintenance		3000	
Temperature	operation	-25°C to +70°C	
	storage	-25°C to +85°C	

Temperature derating

Fixed / draw-out version

DMX-SP DMX-SP-I 2500	Temperature									
	up to 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
Fixed version	630	1	630	1	630	1	630	1	630	1
	800	1	800	1	800	1	800	1	800	1
	1000	1	1000	1	1000	1	1000	1	1000	1
	1250	1	1250	1	1250	1	1250	1	1250	1
	1600	1	1600	1	1600	1	1600	1	1552	0.97
	2000	1	2000	1	1940	0.97	1840	0.92	1760	0.88
Draw-out version	2500	1	2500	1	2350	0.94	2250	0.9	2150	0.86
	630	1	630	1	630	1	630	1	630	1
	800	1	800	1	800	1	800	1	800	1
	1000	1	1000	1	1000	1	1000	1	1000	1
	1250	1	1250	1	1250	1	1250	1	1250	1
	1600	1	1600	1	1600	1	1552	0.97	1488	0.93
	2000	1	1920	0.96	1840	0.92	1760	0.88	1660	0.83
	2500	1	2400	0.96	2250	0.9	2100	0.84	1950	0.78

Old range DMX-SP-I 2500 p. 203

Auxiliaries and accessories for DMX-SP 2500 p. 202-203



Red catalogue numbers: New products