

# Trip free switches DMX-SP-I 4000

from 3200 A to 4000 A



# DMX-SP 4000 and DMX-SP-I 4000

from 3200 A to 4000 A



6 695 95

Dimensions p. 210-211

Conform to IEC 60947-3

Pack	Cat.Nos	Fixed version
		Supplied with: - 1 auxiliary contact: NO/NC - door sealing
		In (A)
1	6 696 80   6 696 82	3200
1	6 696 81   6 696 83	4000
		Draw-out version
		Supplied with: - 1 auxiliary contact: NO/NC - door sealing To be installed on a draw-out base Cat.No 6 696 12 or 6 696 13 (p. 204)
		In (A)
1	6 696 84   6 696 86	3200
1	6 696 85   6 696 87	4000

## Technical characteristics

Device	DMX-SP 4000	DMX-SP-I 4000
Frame	4000	4000
Rated current In (A)	3200 4000	3200 4000
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)	50   65	-
	220 / 240 V~	50   65
	380 / 415 V~	50   65
Rated ultimate short-circuit breaking capacity Icu (kA)	50   65	-
	440 / 460 V~	50   65
	480 / 500 V~	50   65
IEC 60947-2	600 V~	42   50
	690 V~	42   50
Rated service short-circuit breaking capacity Ics (%Icu)	100	-
	220 / 240 V~	105   143
	380 / 415 V~	105   143
Rated short-circuit making capacity Icm (kA)	105   143	143
	440 / 460 V~	105   143
	480 / 500 V~	105   143
IEC 60947-2	600 V~	88   105
	690 V~	88   105
	220 / 240 V~	50   65
Rated short time withstand current Icw (kA) for t = 1 s	50   65	65
	380 / 415 V~	50   65
	440 / 460 V~	50   65
	480 / 500 V~	50   65
IEC 60947-2	600 V~	42   50
	690 V~	42   50
	220 / 240 V~	36   40
Rated Short time withstand current Icw (kA) for t = 3 s	36   40	40
	380 / 415 V~	36   40
	440 / 460 V~	36   40
	480 / 500 V~	36   40
IEC 60947-2	600 V~	36   40
	690 V~	36   40
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 4000	Temperature									
	up to 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>
Fixed version	3200	1	3200	1	3104	0.97	2944	0.92	2880	0.90
	4000	1	3600	0.90	3400	0.85	3200	0.80	3000	0.75
Draw-out version	3200	1	3200	1	3104	0.97	2880	0.90	2720	0.85
	4000	1	3600	0.90	3320	0.83	3080	0.77	2800	0.70

Old range DMX-SP-I 4000 p. 207

Auxiliaries and accessories for DMX-SP 4000 p. 207



Red catalogue numbers: New products