

SMALL MODEL CIRCUIT BREAKER SINGLE POLE

DPMU



REFERENCES

Rating	No signal contact							Non polarised / polarised signal contact		
1 A	84 400 001	84 400 048/148	84 402 001	84 400 248	84 401 001	84 401 050	84 440 001	84 400 801/601	84 401 801/601	84 402 801/601
2 A	84 400 002	84 400 049/149	84 402 002	84 400 249	84 401 002	84 401 051	84 440 002	84 400 802/602	84 401 802/602	84 402 802/602
2.5 A	84 400 012	84 400 050/150	84 402 012	84 400 250	84 401 012	84 401 052	84 440 012	84 400 812/612	84 401 812/612	84 402 812/612
3 A	84 400 003	84 400 051/151	84 402 003	84 400 251	84 401 003	84 401 053	84 440 003	84 400 803/603	84 401 803/603	84 402 803/603
4 A		84 400 061/161		84 400 261						
5 A	84 400 005	84 400 052/152	84 402 005	84 400 252	84 401 005	84 401 054	84 440 005	84 400 805/605	84 401 805/605	84 402 805/605
6 A			84 402 006							84 402 806/606
7.5 A	84 400 007	84 400 053/153	84 402 007	84 400 253	84 401 007	84 401 055	84 440 007	84 400 807/607	84 401 807/607	84 402 807/607
10 A	84 400 010	84 400 054/154	84 402 010	84 400 254	84 401 010	84 401 056	84 440 010	84 400 810/610	84 401 810/610	84 402 810/610
15 A	84 400 015	84 400 055/155	84 402 015	84 400 255	84 401 015	84 401 057	84 440 015	84 400 815/615	84 401 815/615	84 402 815/615
20 A	84 400 020	84 400 056/156	84 402 020	84 400 256	84 401 020	84 401 058	84 440 020	84 400 820/620	84 401 820/620	84 402 820/620
25 A	84 400 025	84 400 057	84 402 025	84 400 225	84 401 025	84 401 059	84 440 025	84 400 825/625	84 401 825/625	84 402 825/625
30 A	84 400 060	84 400 058	84 402 030	84 400 230			84 440 030	84 400 860/660	84 401 830/630	84 402 830/630

Ratings 0.5; 0.75; 1.5 A are available.

Mounting hardware		HV											
Threaded barrel	M12-0.75 M12-100 7/16												
Terminal Screw	8-32 UNC M4												
Terminal		Offset	Offset	Offset	Offset	Aligned	Aligned	Aligned	Offset	Aligned	Offset		

Button		HV											
Green color													
Black color													
Long neck option													

Conformity standard		HV											
EN 2495				M		U							
EN 2995											004/005		
EN 3773							004						
AS33201 - MS3320			QPL		QPL								
VG 95345 TEIL 6													
BACC 18Z&18AD like													

Mass / MTBF / Vibration / Technical file		HV											
Mass without mounting hardware (g)	< 18	< 18	< 18	< 18	< 18	< 18	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Mass with mounting hardware (g)	< 21	< 20	< 20	< 20	< 20	< 20	< 22	< 22	< 22	< 22	< 22	< 22	< 22
MTBF FH (Typical)	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 7.2 M	> 3.6 M
Vibrations, for detail see below	MIL	MIL	VG	HV	EN	EN	EN	EN	EN	EN	EN	EN	VG
Technical File		SP4374/9944		SP9930					SP4356				

GENERAL CHARACTERISTICS

Electrical		HV											
Breaking current 1co + 2OCO	28 VDC												115 VAC (400 Hz)
Dielectric	6000 A												2500 A
Endurance cycles	1500 V												1500 V
Insulation resistance	5000 (with L/R: 5 ms)												5000 (with cos fi: 0.7)
Working life (endurance) at 5x RC	above 100 MΩ												above 100 MΩ
Auxiliary contact current	50 cycles												50 cycles
Voltage drop compliance	0.1..0.2 A												0.1..0.2 A
	EN2495/2995/MS3320/AS33201												EN2495/2995/MS3320/AS33201

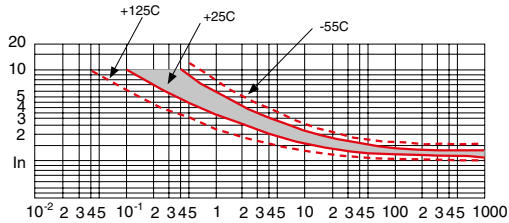
CONTACT CROUZET

Mechanical		HV											
Operating force	3,5N< push<45N / 5N<pull<30N												
Endurance	without load: 5000 cycles resistive load: 2500 cycles												
Tightening torque	barrel nut: recommended: 4 ± 0.25 N.m maximum : 5.0 N.m terminal screw: recommended: 1.6 ± 0.1 N.m maximum : 2.0 N.m												

Environmental		HV											
Salt spray	48h 5% NaCl												
Humidity: Test b	RTCA DO160 10 cycles												
Operating temperature	-60°C +125°C for all ratings except 30 A: - 60°C + 90°C												
Acceleration (centrifugal)	17 g												
Vibrations	EN (at 70°C)					MIL & VG (at 71°C)							MIL (High Vibrations)
Sinusoidal (80..2000 Hz)	10 g-PK and 5g-PK after 500Hz at 90% of RC					10 g-PK at 100 % of RC and 15 g-PK at 0% of RC							20 g-PK at 90% of RC
Random (10.. 2000 Hz)	5.82 Grms at 90% of RC					9.26 Grms at 100 % of RC							16.9 Grms at 90 % of RC
Shock	50 g halfsine 11 msec 6 directions					50 g halfsine 11 msec 6 directions							75 g halfsine 6 msec 6 directions

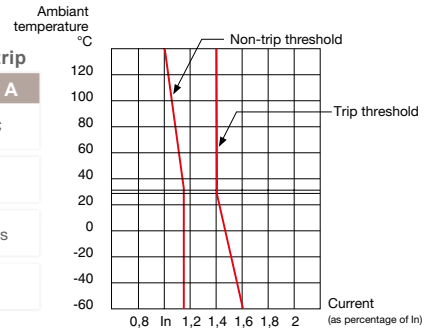
CURVES

Trip times envelope for temperature from -55°C to 125°C (direct overload)



Maximum and minimum limit of ultimate trip

Rating	1.5 → 5 A	7.5 → 25 A
Non tripping point at 25°C	1.15 * RC	1.15 * RC
Tripping point at 25°C	1.4 * RC	1.4 * RC
Tripping time at 2 * RC	2 s → 15 s	4 s → 20 s
Non tripping point at 125°C	1 * RC	1 * RC



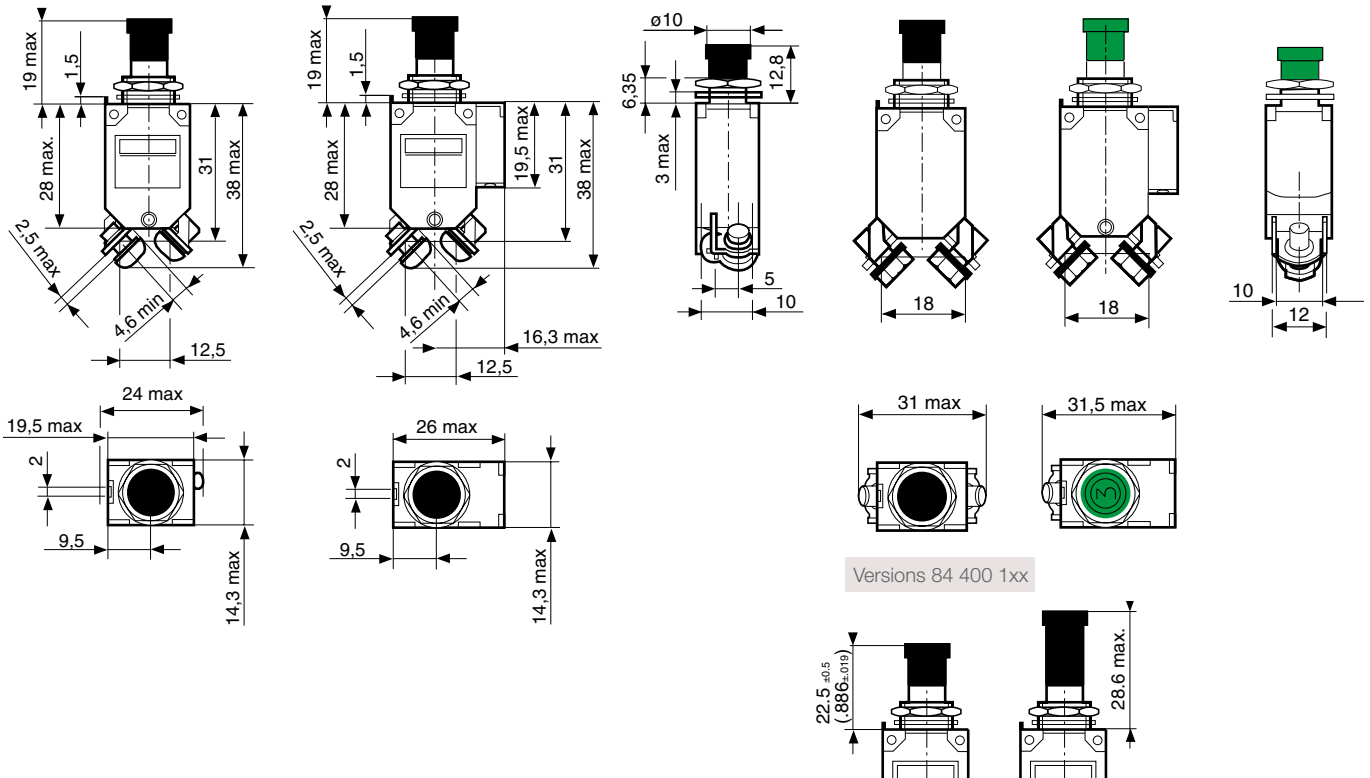
DIMENSIONS

84 400 0
84 402 0

84 400 6-8
84 402 6-8

84 401 0

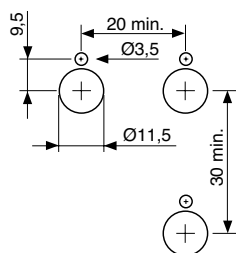
84 401 6-8



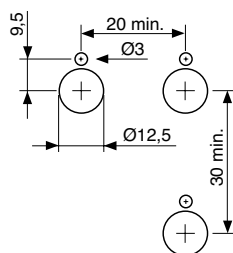
PANEL CUTOUT RECOMMENDATION

› Thickness: 1.6 mm → 3 mm

Versions 84 400 0



Versions 84 402 0



Versions 84 401 0 - 6 - 8

