SMALL MODEL CIRCUIT BREAKER THREE POLE

DPMT

REFERENCES

Rating	No signal contact						Non polarised/polarised signal contact		
1 A	84 410 001	84 411 001	84 412 001	84 413 001	84 414 001	84 450 001	84 410 801/601	84 411 801/601	84 412 801/601
2 A	84 410 002	84 411 002	84 412 002	84 413 002	84 414 002	84 450 002	84 410 802/602	84 411 802/602	84 412 802/602
2.5 A	84 410 012	84 411 012	84 412 012	84 413 012	84 414 012	84 450 012	84 410 812/612	84 411 812/612	84 412 812/612
3 A	84 410 003	84 411 003	84 412 003	84 413 003	84 414 003	84 450 003	84 410 803/603	84 411 803/603	84 412 803/603
4 A			84 412 004						84 412 804/604
5 A	84 410 005	84 411 005	84 412 005	84 413 005	84 414 005	84 450 005	84 410 805/605	84 411 805/605	84 412 805/605
6 A			84 412 006						84 412 806/606
7.5 A	84 410 007	84 411 007	84 412 007	84 413 007	84 414 007	84 450 007	84 410 807/607	84 411 807/607	84 412 807/607
10 A	84 410 010	84 411 010	84 412 010	84 413 010	84 414 010	84 450 010	84 410 810/610	84 411 810/610	84 412 810/610
15 A	84 410 015	84 411 015	84 412 015	84 413 015	84 414 015	84 450 015	84 410 815/615	84 411 815/615	84 412 815/615
20 A	84 410 020	84 411 020	84 412 020	84 413 020	84 414 020	84 450 020	84 410 820/620	84 411 820/620	84 412 820/620
25 A	84 410 025	84 411 025	84 412 025	84 413 025	84 414 025	84 450 025	84 410 825/625	84 411 825/625	84 412 825/625
30 A			84 412 030	84 413 030		84 450 030			
Mounting hardware									
Threaded barrel M12-0.75				●					
Threaded barrel M12-100		●	●					●	●
Threaded barrel 7/16	●				●	●	●		
Terminal Screw 8-32 UNC	●	●			●	●	●	●	
Terminal Screw M4			●	●					●
Terminal	Offset	Offset	Offset	Offset	Offset	Aligned	Offset	Offset	Offset
Button									
Green color							●	●	●
Black color	●	●	●	●	●				
Long neck									
Conformity standard									
EN 2592		U	M						
EN 3774		004		003					
EN 2996								004/005	
VG 95345 TEIL 11			●						●
AS 14154B/MS14154	●				QPL				
BACC 18AC&18AE like						●			
Mass / MTBF / Vibration / Technical file									
Mass without mounting hardware (g)			< 46					< 51	
Mass with mounting hardware (g)			< 55					< 60	
MTBF FH (Typical)			> 1,2 M					> 700 000	
Vibration, for detail see below	MIL	EN	VG	EN	MIL	EN	EN	EN	EN
Technical File	-	-	-	-	-			-	

GENERAL CHARACTERISTICS

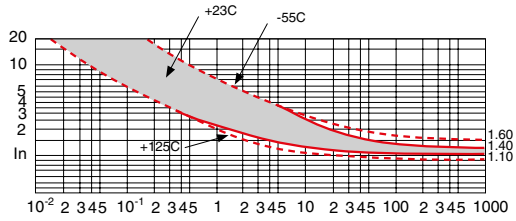
Electrical		
	115/200 VAC (400 Hz)	115/200 VAC 60 Hz-230/400 VAC 50 Hz
Breaking current 1CO + 2OCO	2000 A	CONTACT CROUZET
Dielectric	1500 V	
Endurance (electrical overloads)	5000 (with cos fi: 0.7)	
Insulation resistance	above 100 MΩ	
Working life (endurance) at 5xRC	50 cycles	
Auxiliary contact current	0.1..0.2 A	
Voltage drop compliance	MS14154/AS14154A/EN2592/2996/3774	

Mechanical		
Operating force	8N<push<80N / 5N<pull<30N	
Endurance (manual open/close)	no load / 5000 cycles	
	on resistive load / 5000 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		
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)
Sinusoidal (80..2000 Hz)	10 g-PK and 5g-PK after 500Hz at 90 % of RC	10 g-PK at 100% of RC & 15 g-PK at 0% of RC
Random (10.. 2000 Hz)	5.82 Grms at 90 % of RC	9.26 Grms at 100 % of RC
Shock	50 g halfsine 11 msec 6 directions	50 g halfsine 11 msec 6 directions

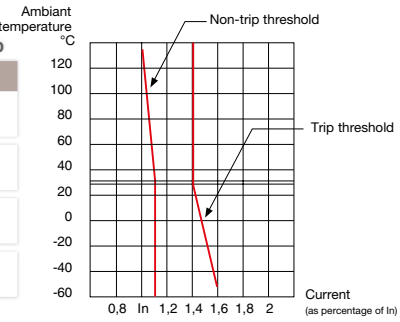
CURVES

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



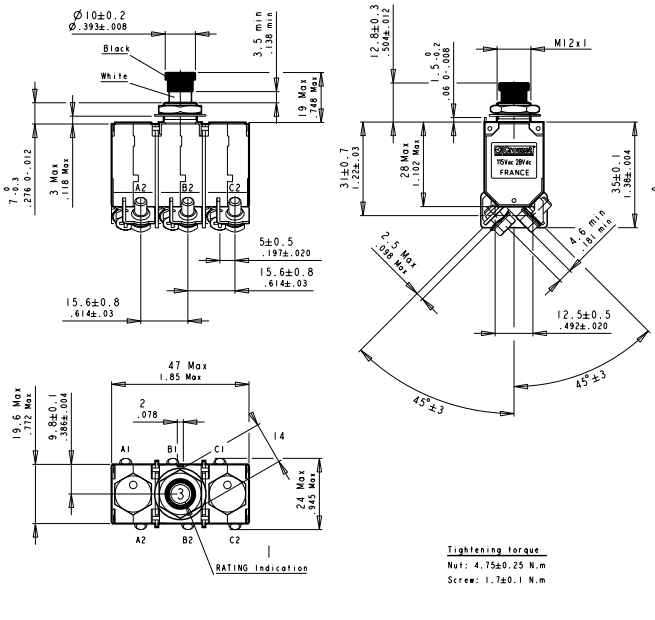
Maximum and minimum limit of ultimate trip

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

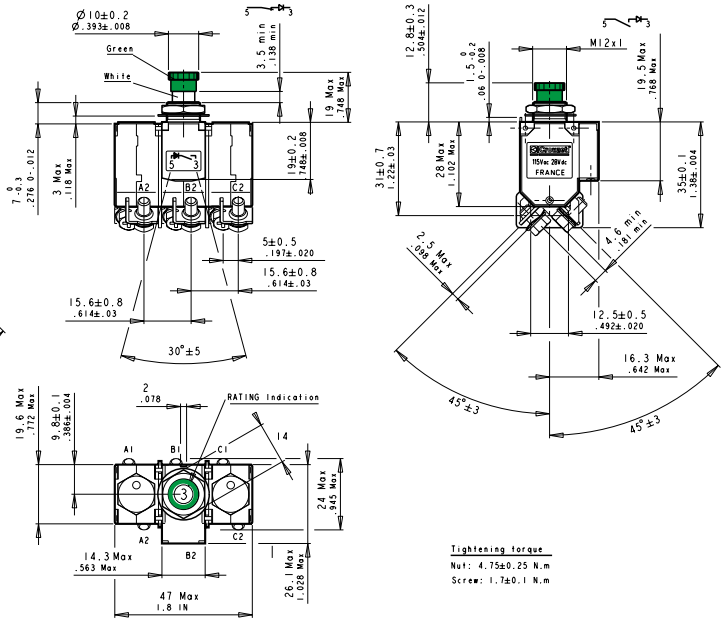


DIMENSIONS

84 411 0 84 412 0
84 413 0 84 414 0



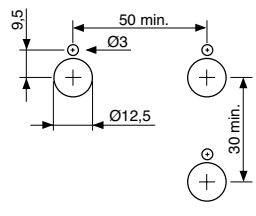
84 411 6 84 411 8
84 412 8 84 413 6



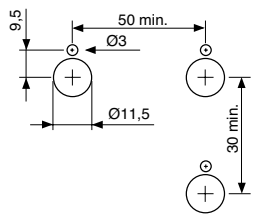
PANEL CUTOUT RECOMMENDATION

› Thickness: 1.6 mm → 3 mm

84 411 0 84 412 0
84 413 0



84 414 0



84 411 6 84 411 8
84 412 8 84 413 6