FROG LEGS TERMINALS

SMALL MODEL CIRCUIT BREAKER




REFERENCES

Rating	1 pole 45°	1 pole 45°	1 pole 60°	3 pole 45°	3 pole 60°
0.5 A	84 406 011				
1 A	84 406 001	84 437 001	84 437 201	84 417 001	84 417 201
2 A	84 406 002	84 437 002	84 437 202	84 417 002	84 417 202
2.5 A	84 406 012	84 437 012	84 437 212	84 417 012	84 417 212
3 A	84 406 003	84 437 003	84 437 203	84 417 003	84 417 203
4 A*					
5 A	84 406 005	84 437 005	84 437 205	84 417 005	84 417 205
6 A*					
7.5 A	84 406 007	84 437 007	84 437 207	84 417 007	84 417 207
10 A	84 406 010	84 437 010	84 437 210	84 417 010	84 417 210
15 A	84 406 015	84 437 015	84 437 215	84 417 015	84 417 215
20 A	84 406 020	84 437 020	84 437 220	84 417 020	84 417 220
25 A	84 406 025	84 437 025	84 437 225	84 417 025	84 417 225
30 A		84 437 030	84 437 230	84 417 030	84 417 230

* contact Crouzet for this rating

Mounting hardware						
Threaded barrel	M12-0.75					
	M12-100		●	●	●	●
	7/16	●				
Terminal Screw	6-32 UNC	●				
	M4		●	●	●	●
Button color						
Green						
Black		●	●	●	●	●
Conformity standard						
EN 2495*		●	●	●		
EN 2995*		●	●	●		
EN 2592*					●	●
EN 2996*					●	●
EN 3774*					●	●
MS26574 **		QPL				

* for performance ** for terminal configuration

Mass/MTBF/technical file					
Mass without mounting hardware (g)	< 18	< 18	< 19	< 54	< 56
Mass with mounting hardware (g)	< 20	< 20	< 21	< 63	< 65
MTBF FH (Typical)	> 7.2 M	> 7.2 M	> 7.2 M	> 1.7 M	> 1.7 M
Technical file	SP 990100	SP 991700	SP 992000	SP 991900	SP 992100

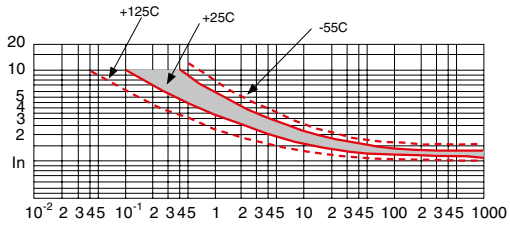
GENERAL CHARACTERISTICS

Electrical	Single Pole		Three pole
	28 VDC	115 VAC (400 Hz)	115/200 VAC (400 Hz)
Breaking current 1CO + 2OCO	6000 A	2500 A	2000 A
Dielectric	1500 V	1500 V	1500 V
Endurance cycles	5000 (with L/R: 5 ms)	5000 (with cos fi: 0.7)	5000 (with cos fi: 0.7)
Insulation resistance	above 100 MΩ	above 100 MΩ	above 100 MΩ
Working life (endurance) at 5xRC	50 cycles	50 cycles	50 cycles
Auxiliary contact current (if present)	0.1..0.2 A	0.1..0.2 A	0.1..0.2 A
Voltage drop compliance	EN2495/2995/MS3320/AS33201	EN2495/2995/MS3320/AS33201	MS14154/AS14154A/EN2592/2996/3774
Mechanical			
Operating force	3,5N< push<45N / 5N<pull<30N		8N<push<80N / 5N<pull<80N
Endurance	mechanical (no load) 5 000 cycles		mechanical (no load) 5000 cycles
	on resistive load 2 500 cycles		on resistive load 2500 cycles
Tightening torque (barrel nut)	recommended: 4 ± 0.25 N.m maximum : 5.0 N.m		recommended: 4±0.25 N.m maximum: 5.0 N.m
Tightening torque (terminal screw)	recommended: 1.6 ± 0.1 N.m maximum : 2.0 N.m		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)	up to 40 g		
Shock	50 g alfsine 11 msec		

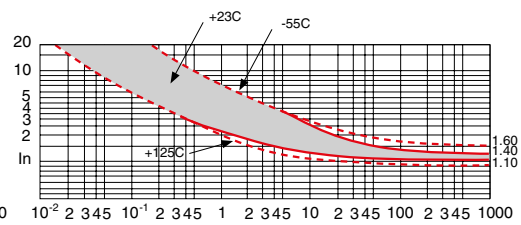
CURVES

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

single pole



three pole

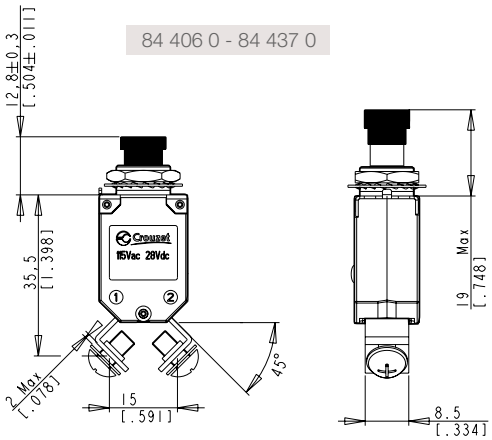


Maximum and minimum limit of ultimate trip

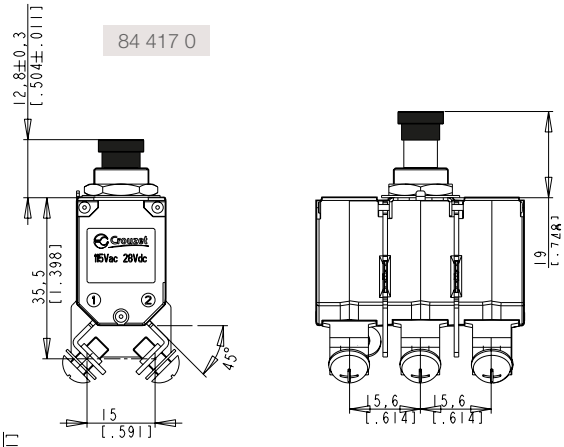
Rating	1.5 → 5 A	7.5 → 25 A
Non tripping point at 25°C	1.15 * RC	1.15 * RC
Tripping point at 25°C	1.4 * RC	1.4 * RC
Tripping time at 2 * RC	2 s → 15 s	4 s → 20 s
Non tripping point at 125°C	1 * RC	1 * RC

DIMENSIONS

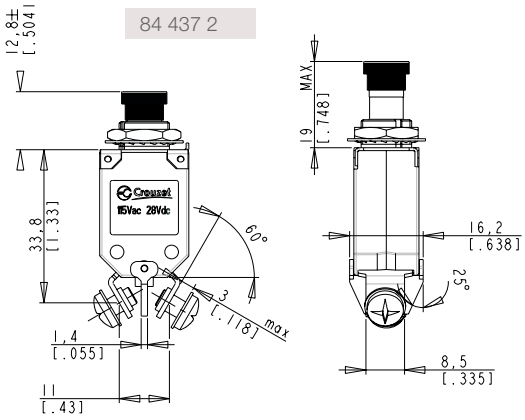
84 406 0 - 84 437 0



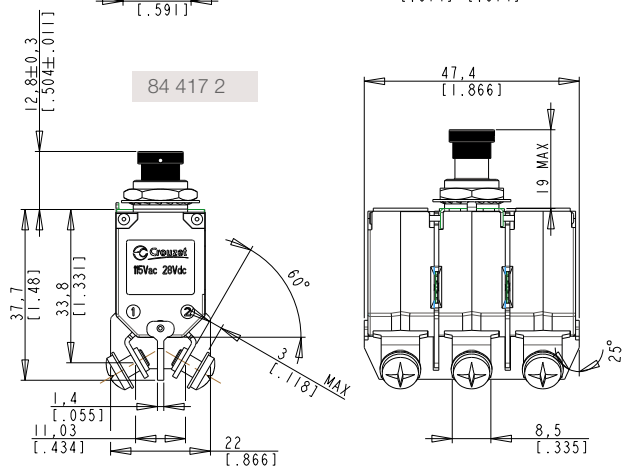
84 417 0



84 437 2



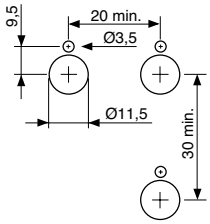
84 417 2



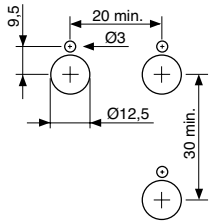
PANEL CUTOUT RECOMMENDATION

› Thickness 1.6 mm → 3 mm

Versions 84 406 0



Versions 84 437 0
84 437 1 - 84 437 2



Versions 84 417 0 - 84 417 1
84 417 20