

A

B

C

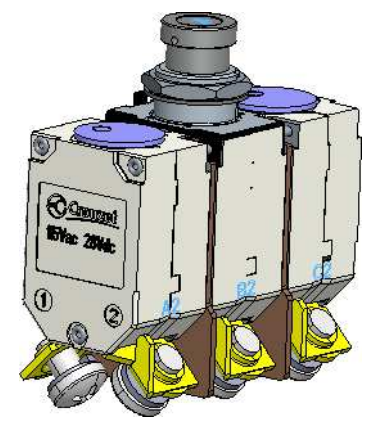
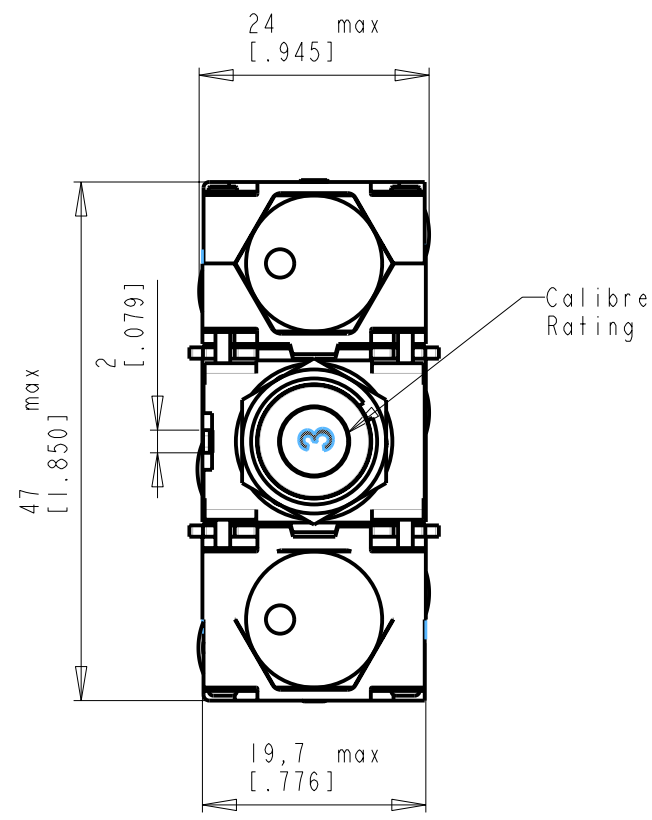
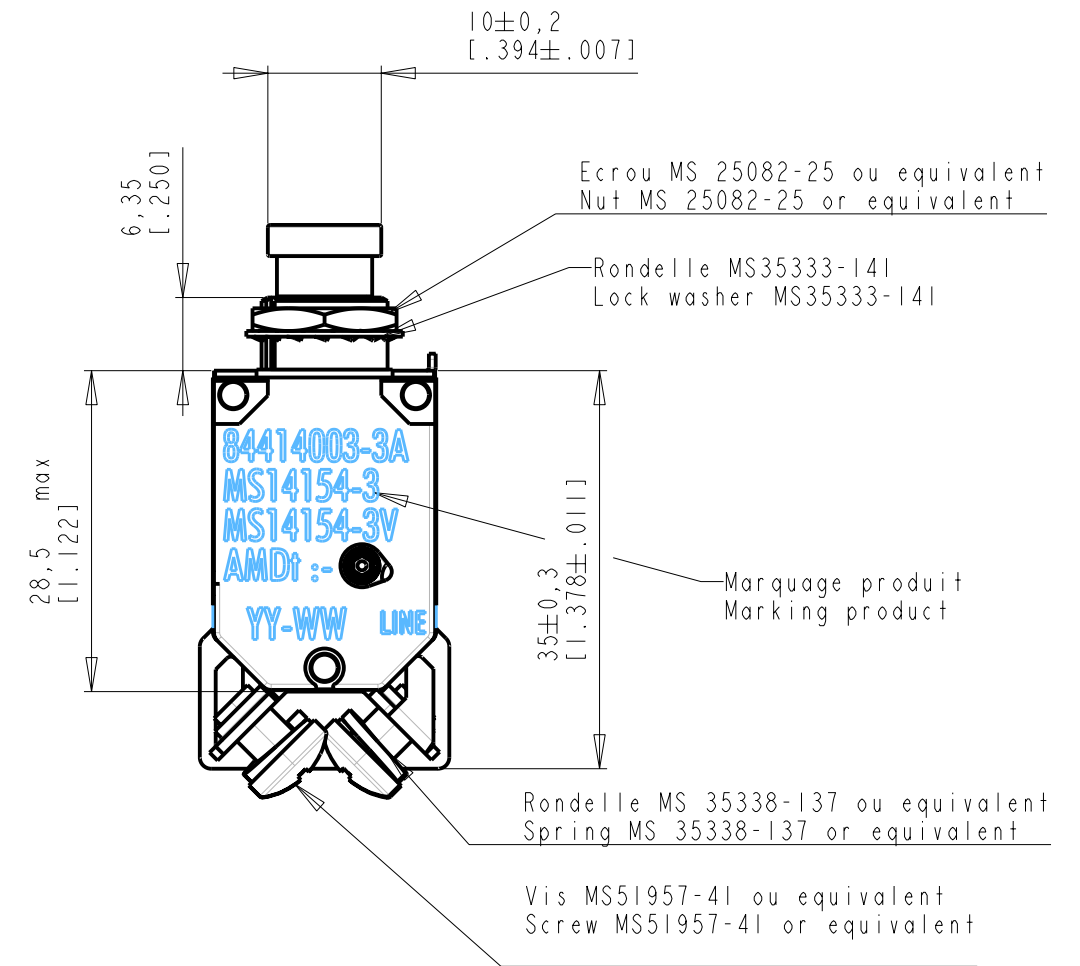
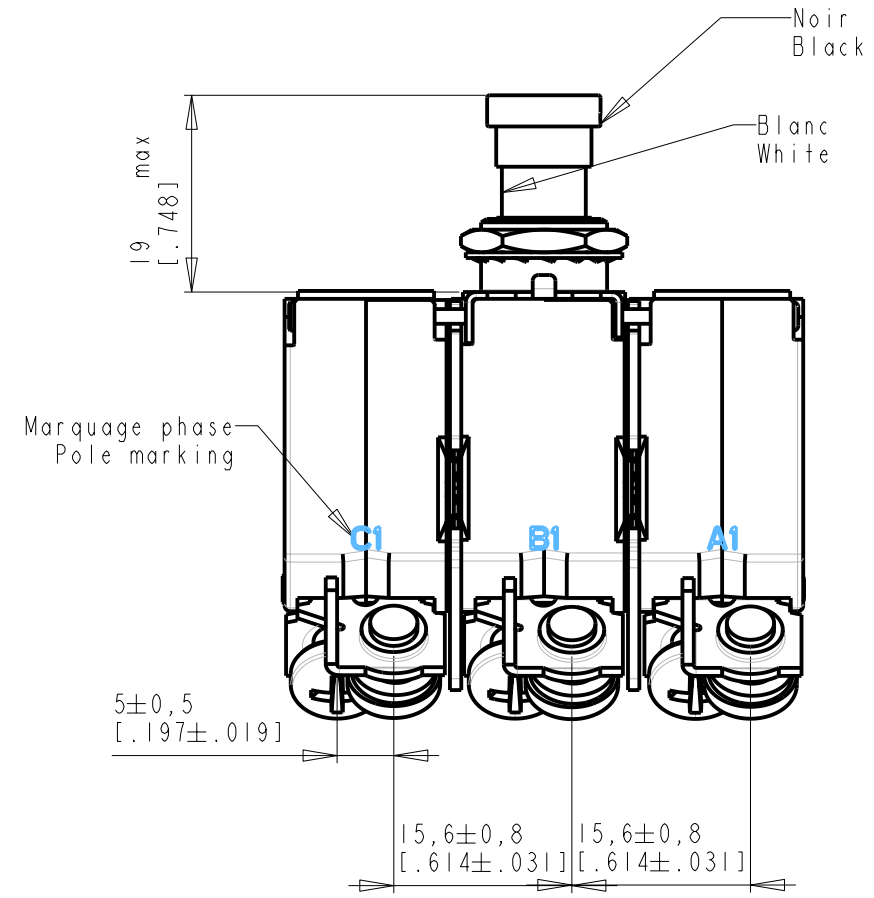
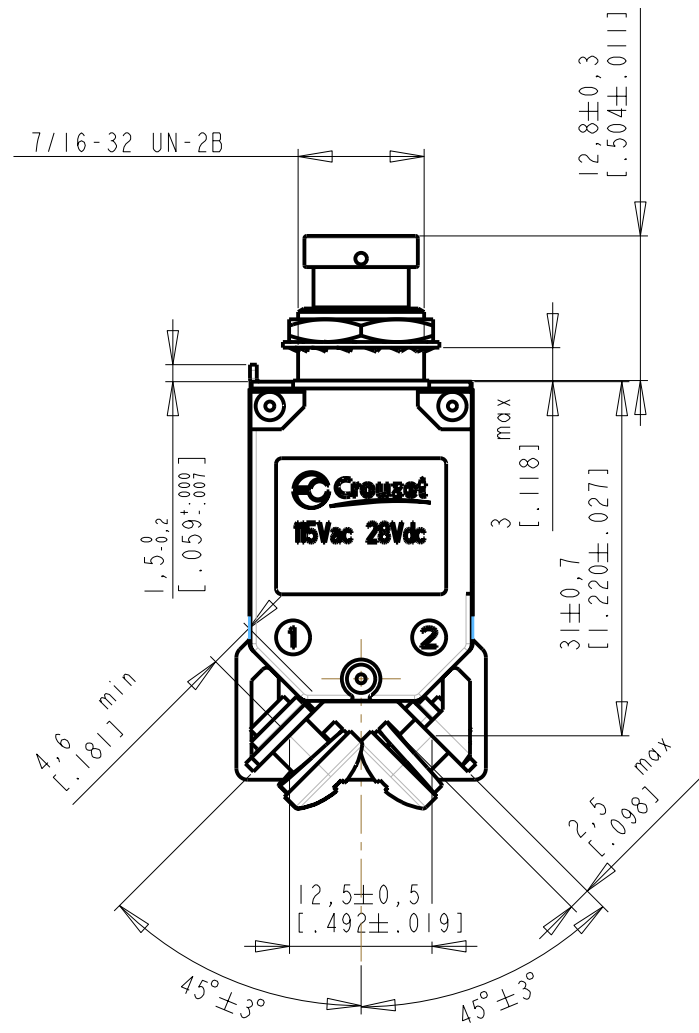
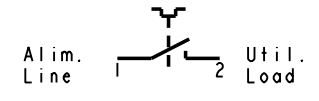
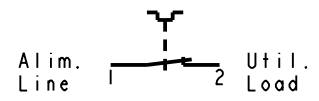
D

A

B

C

D

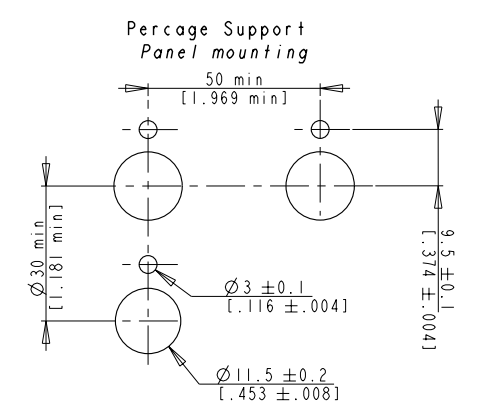


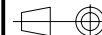
ECHELLE 1/1

Couple de serrage/Tightening torque :

Ecrou canon/Threaded Barrel : 5,0 N.m max
Recommande/Recommended : 4,0 +0,25 N.m

Vis de connection/terminal screw : 2,0 N.m max
Recommande/Recommended : 1,6 +0,1 N.m



C	Suppression du "C" dans désignation de la norme			Modified by	M_VERDIER	22/01/2019		
	Suppression des tirets dans les références produits			Verified by	D_MEUX	22/01/2019		
	Suppression du 25A et 30A hors norme / Ajout n° DDM : DDM-19/01-00744			Authorized by	F_SALA	22/01/2019		
Toler. gene. lin ± 0.3 mm		This document is the property of Crouzet-Automatismes. It's contents cannot be reproduced or divulged without the company's written approval. The product data and specifications found on this document do not constitute any contractual obligation. Crouzet-Automatismes and its subsidiaries reserve the right to modify the specifications. All rights of reproduction, modification, reprinting, and translation reserved for all countries						
Toler. gene. Ang ± 3 degrees								
 CROUZET		General Ra ✓ Raw surface	Scale 3/2					
2. rue du Dr ABEL BP 59. 26902. Valence CEDEX 9 France		Customer:			Customer Ref.:			
		Designation/FR: DISJONCTEUR THERMIQUE TRIPOLAIRE PUSH PULL MS14154				PFT001:<C>;<M>		
		Designation/GB: THREE POLE THERMAL CIRCUIT BREAKER PUSH PULL MS14154				Department CT		
Request:		Designed by F_VILLE 09/10/2017				Index C	Format A3	Folio 1/2
DDM-19/01-00744		Verified by D_MEUX 09/10/2017						
NATO code: FA0X2		Authorized by						
		DATA SHEET						
		FT844140_001FR						

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 M12-100 7/16											
Terminal Screw	8-32 UNC 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
Mass with mounting hardware (g)												< 55
MTBF FH (Typical)												> 1,2 M
Vibration, for detail see below	MIL	EN	VG	EN	MIL	EN	EN	EN	EN	EN		> 700 000
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	
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	

CONTACT CROUZET		
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Mechanical

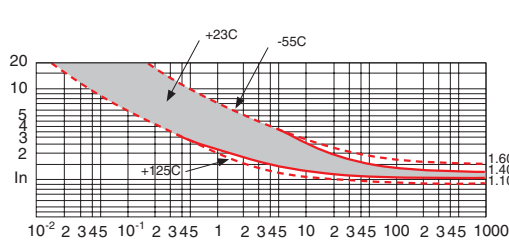
Operating force	8N<push<80N / 5N<pull<30N
Endurance (manual open/close)	no load / 5000 cycles on resistive load / 5000 cycles
Tightening torque	barrel nut: recommended: 4 ± 0.25 N.m maximum : 5.0 N.m terminal screw: recommended: 1.6 ± 0.1 N.m maximum : 2.0 N.m

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	

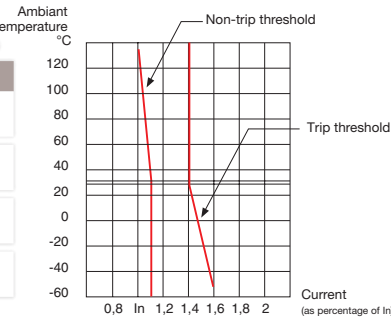
CURVES

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

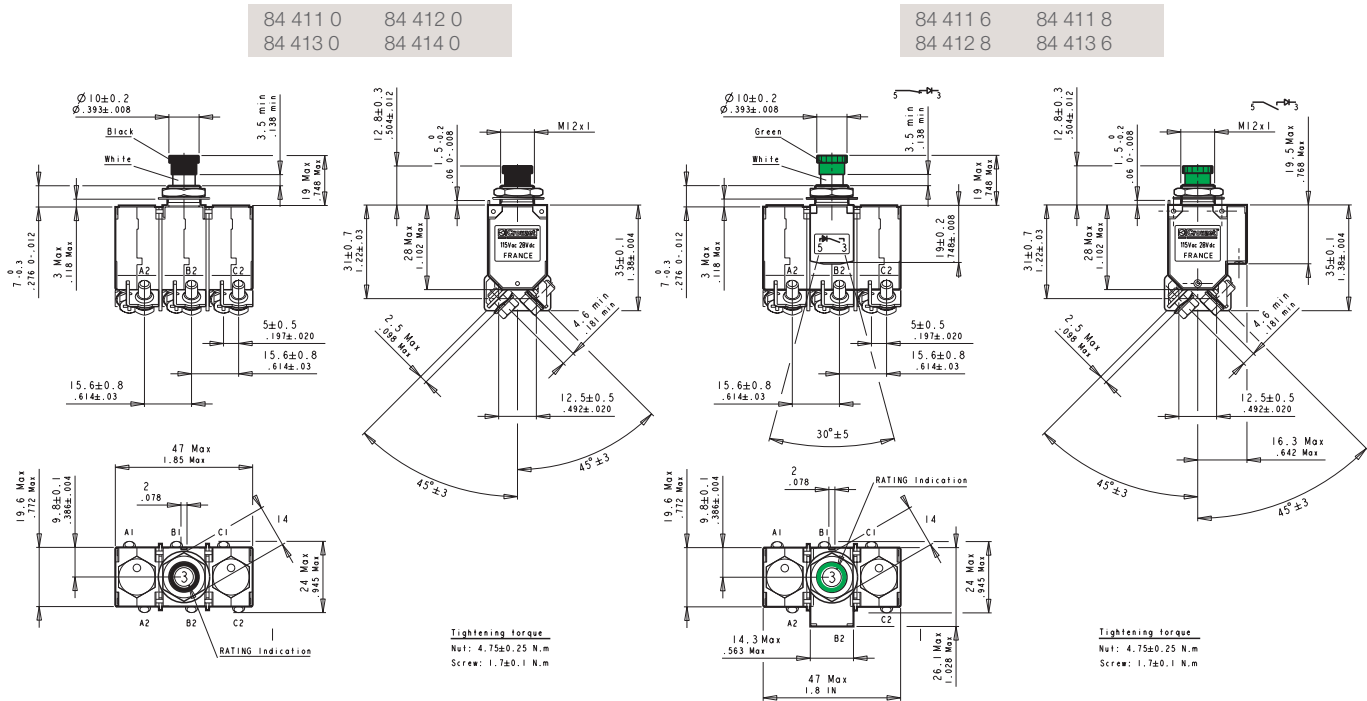


Maximum and minimum limit of ultimate trip

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



PANEL CUTOUT RECOMMENDATION

› Thickness: 1.6 mm → 3 mm

