

ENEC LICENSE

License No. ENEC-03540-M1

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Date of Issue 2022-11-28

License Holder	CROUZET 12 RUE JEAN JULLIEN-DAVIN VALENCE 26000 FRANCE
Production site	CROUZET ZONE INDUSTRIELLE SIDI MAAROUF, LOT NO. 16 CASABLANCA 20280 MOROCCO See Page 3 for additional information
Certification Mark	See Annex 1
Certified Product	Mechanical micro switch
Model	83161 series See Page 2 for additional Information
Trademark	 CROUZET or
Ratings	16(4) A, 250 V~, T125, 50E3 IP40 See Page 2 for additional Information
Tested acc. to	EN 61058-1-1:2016, EN IEC 61058-1:2018
Test Report No.	INST-4790596291-A-1 issued on 2022-11-07 INST-4790596291-A-1-1 issued on 2022-11-07
Additional Information	The report was revised to include technical modifications.

Certification Manager
Jan-Erik Storgaard

Certification Body

This is to certify that representative sample(s) of the Product described herein ("Certified Product") have been investigated and found in compliance with the Standard(s) indicated on this License, in accordance with the ENEC Requirements. The Designated License holder is entitled to use the ENEC 15 Mark (as shown in annex 1) for the Certified Product manufactured at the production site(s) identified above in accordance with the ENEC Mark Service Agreement including without limitation the ENEC Mark Testing and Certification Services Service Terms. Only those Products bearing the ENEC Mark should be considered as being covered by UL's ENEC Mark Service. This License shall remain valid unless terminated earlier in accordance with the Service Agreement including without limitation if the Standard identified on this License is amended or withdrawn prior the Date of Withdrawal of conflicting Standard(s).

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Model Detail(s):

The product covered in this report is a mechanical micro switch, series 83161.

The part number may be prefixed by "A" or "U" or both. All models followed by 0 through 9, can be followed by 00 through 99, with or without suffix "SP" or "SF" 0000 through 9999.

The switch is designed for use in Class I appliances, overvoltage category II, macro/micro pollution degree 3/2, for rating voltage 400 V macro/micro pollution degree 1/2, impulse withstand voltage 2500 V, with micro and full disconnection, IP40.

Verification of instructions of EN 60335-1, clause 30.2.3.2: carried out at 750°C – 2s with material PET, FR530/FR530L, E41938 and PET, FR531, E41938.

Models and ratings list:

Model	Load	Amp	Volt	Hz	Temp °C	Pol/Thr/(Cir)	Endurance	Disc
831611/ 831613	RM	16(4)	250	50-60	125	1/1 or 2 (1,2 or 2.2)	50E3	μ
	RM	10(4)	250	50-60	150	1/2 or 2 (1,2 or 2.2)	50E3	μ
	RM	10(4)	400	50-60	125	1/2 or 2 (1,2 or 2.2)	50E3	μ
	GP	16	250	50-60	130	1/2 or 2 (1,2 or 2.2)	10E3	μ
	RM	16(4)	250	50-60	150	1/2 or 2 (1,2 or 2.2)	10E3	μ
	RM	10(8)	250	50-60	90	1/2 or 2 (1,2 or 2.2)	50E3	μ
	R	0,5	125	DC	130	1/2 or 2 (1,2 or 2.2)	10E3	μ
	R	0,25	250	DC	130	1/2 or 2 (1,2 or 2.2)	10E3	μ
831614	RM	10(3)	250	50-60	150	1/2 or 2 (1,2 or 2.2)	50E3	μ
	GP	10	250	50-60	130	1/2 or 2 (1,2 or 2.2)	10E3	μ
831615, 831615 SP4136	RM	4(1)	250	50-60	125	1/2 or 2 (1,2 or 2.2)	50E3	μ
	GP	4	250	50-60	130	1/2 or 2 (1,2 or 2.2)	10E3	μ
831616	RM	12(3)	250	50-60	125	1/2 or 2 (1,2 or 2.2)	10E3	Full
	GP	12	250	50-60	130	1/2 or 2 (1,2 or 2.2)	10E3	Full
831618	RM	5(1)	250	50-60	125	1/2 or 2 (1,2 or 2.2)	50E3	μ
	GP	5	250	50-60	130	1/2 or 2 (1,2 or 2.2)	10E3	μ
831619, 831619S P4136	RM	4(1)	250	50-60	125	1/2 or 2 (1,2 or 2.2)	50E3	μ
	GP	4	250	50-60	130	1/2 or 2 (1,2 or 2.2)	10E3	μ

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Factory(ies):

Crouzet Industry (Huizhou) Ltd
34F, No 6, Huifeng West 2nd Road
Pingnan Industrial Park
Zhongkai Hitech Industrial Development Zone Huizhou, Guangdong, 516006
China

Additional information:

The original report was modified to include the following changes/additions:
- Updated General Product Information

This certificate replaces the certificate no. ENEC-03540 issued on 2021-06-01.

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Annex 1 to License No.

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Annex of the form of the Mark



15 is the identification number of the Certification Body

Size of the mark:

The size of the mark may be reduced on the condition that it remains legible and that the ratio $b/a=1,7$ is kept.

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