



ZF Group · Graf-Zeppelin-Straße 1 · 91275 Auerbach

Electrified Powertrain Technology
Electronics

Department Portfolio Switches and Sensing Solution
From
Phone +49 9643 18-0
E-mail Switches-sensors@zf.com
Date 09.11.2023

Product Change Notification (PCN)

1. Product Type Double-pole Panelmount Pushbutton Series F7
2. Affected Part Numbers All part numbers starting with F77-.... F78-.... F79-....
3. Description of Change Change from testing agency VDE to UL International Demko A/S. Amended approval print on the switch housing – see point 8
4. Effect on the product / Customers (quality, specification) The specified data according to our technical specifications remain unchanged
5. Quality Assurance Measures ZF Friedrichshafen AG is certified according to ISO 9001:2015
6. Scheduled date of introduction Q4/ 2023

Chairman of the Supervisory Board: Dr. Heinrich Hiesinger
Board of Management: Dr. Holger Klein (CEO),
Dr. Lea Corzilius, Dr. Martin Fischer, Michael Frick, Prof. Dr. Peter Laier, Stephan
von Schuckmann
Headquarters: Friedrichshafen ·
Trade register of the municipal court of Ulm HRB 630206

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7. Customer information

UL International Demko A/S ENEC License No. ENEC-04637

Production moved from Juarez, Mexico to Zhuhai, China.

8. Print Change

Current print for ENEC VDE



New print for ENEC UL Demko



9. Appendix

UL International Demko A/S ENEC Certificate

ENEC LICENSE

License No. ENEC-04637

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Date of Issue 2023-11-07

License Holder	ZF ELECTRONICS (ZHUHAI) CO LTD NANPING S&T INDUSTRIAL PARK 1 LUYUAN RD ZHUHAI AVE E ZHUHAI, Guangdong Sheng, 519070 CHINA
Production site	ZF ELECTRONICS (ZHUHAI) CO LTD NANPING S&T INDUSTRIAL PARK 1 LUYUAN RD ZHUHAI AVE E ZHUHAI, GUANGDONG SHENG, 519070 CHINA
Certification Mark	See Annex 1
Certified Product	Switches for Appliances
Model	0F77 Series, 0F78 Series, 0F79 Series See page 2 for additional Information
Trademark	
Ratings	0.1(0.05)A 125VAC 10(4)A 250VAC 50/60Hz 40T85 μ 5E4 See page 2 for additional ratings
Tested acc. to	EN IEC 61058-1:2018, EN 61058-1-1:2016
Test Report No.	INST-4791014188-1 issued on 2023-11-06 INST-4791014188-2 issued on 2023-11-06
Additional Information	See page 2 for additional information

Certification Manager
Thomas Wilson

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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ENEC LICENSE

License No. ENEC-04637

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Date of Issue 2023-11-07

Additional Model(s):

Series: 0F77 Series, 0F78 Series, 0F79 Series:

0F77 or 0F78 or 0F79, f/b -0, -2, -3, -4, -5 or -6~9, f/b 0, 1, 2 or 3~9, f/b A, f/b 0, 1~9 or Alpha Character

Nomenclature of 0F77 Series, 0F78 Series and 0F79 Series:

0F77	-	0	0	A	0
I	-	II	III	IV	V
I	Series Name & Rating	0F77	Left 0.1(0.05)A 125VAC, Right 10(4)A 250 VAC or Left 10(4)A 250 VAC, Right 0.1(0.05)A 125VAC		
		0F78	Left&Right 0.1(0.05)A 125VAC		
		0F79	Left&Right 10(4)A 250 VAC		
II	Button Type	0	Basic Button: Makes Contact While Actuated		
		2	Push-Pull Button: Push-Makes Contact; Pull-Reset Position		
		3	Push-Pull Button: Pushed: Normal Push Button Function Pulled: Permanent Contact Function		
		4	Short Button: Makes Contact While Actuated		
		5	Auxiliary Button: Makes Contact While Actuated		
		6-9	Prepared For Other Customized		
III	Circuit Function	0	SPDT		
		1	SPST - NO		
		2	SPST - NC		
		3-9	Prepared For Other Customized		
IV	Designation Type	A	Standard Designation		
V	Special Code	0	Standard Version		
		1-9 or Alpha Character	Indicate Custom Design, For Example: Type Terminal, Customer, Customer Part Number, Angle Of Terminals, Et. Al.		
Note: See CB test report for the Illustration for Button Type					

Ratings:

IP40

for class II appliances

Additional information:

0F77 or 0F78 or 0F79, f/b -0, -2, -3, -4, -5 or -6~9, f/b 0, 1, 2 or 3~9, f/b A, f/b 0, 1~9 or Alpha Character, Push-Button Switch for class II appliances with rating of :

0.1(0.05)A 125VAC 10(4)A 250VAC 50/60Hz 40T85 μ 5E4 IP40 Glow Wire Temperature 850°C PT1175 Quick Connect Terminal Pollution Degree 2 Uimp 2500V

Certification Body

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Annex 1 to License No.

ENEC-04637

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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