Specifications



Photo is representative

Eaton 229749

Eaton Moeller® series FAK Palm switch, 1N/O+1N/C, mushroom black, surface mounting

General specification	ıs
PRODUCT NAME	Eaton Moeller® series FAK Palm switch
CATALOG NUMBER	229749
EAN	4015082297497
PRODUCT LENGTH/DEPTH	100 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	85 mm
PRODUCT WEIGHT	0.324 kg
CERTIFICATIONS	UL 508 CSA IEC/EN 60947-5 CSA-C22.2 No. 94-91 UL Category Control No.: NKCR UL File No.: E29184 CE CSA Class No.: 3211-03 IEC/EN 60947-5-1 UL CSA File No.: 012528 CSA-C22.2 No. 14-05 VDE 0660
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947- 5-1



Features & Functions	
ENCLOSURE COLOR	Black Gray
UNLOCKING METHOD	None

General	
CONNECTION TO SMARTWIRE-DT	No
DEGREE OF PROTECTION	NEMA 4X IP67/IP69K
LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
MOUNTING POSITION	As required
OPENING DIAMETER	0 mm
OPERATING FREQUENCY	3600 Operations/h
PRODUCT CATEGORY	Foot and palm switches
SHOCK RESISTANCE	15 g, Mechanical, According to IEC/EN 60068-2-27, Half- Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
ТҮРЕ	Complete device

Climatic environmental conditions	
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

Actuator	
ACTUATING FORCE	40 N
ACTUATOR COLOR	Black
ACTUATOR FUNCTION	Momentary Spring-return

Contacts	
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1

Design verification	
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.11 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	0 W

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10.10 TEMPERATURE RISE The panel builder is	10.10 TEMPERATURE RISE	The panel builder is

	responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Resources	
CATALOGUES	eaton-pushbuttons-signal- towers-sensors- assortment-overview- catalog-ca047003en-en- us.pdf
	eaton-rmq-titan-brochure- br047004en-en-us.pdf
DECLARATIONS OF	DA-DC-00004173.pdf
CONFORMITY	DA-DC-00004084.pdf
DRAWINGS	eaton-operating-switch- fak-palm-switch- dimensions.eps
	eaton-operating-switch- fak-palm-switch-3d- drawing.eps
	eaton-general-totally- insulated-t0-main-switch- symbol.eps
	eaton-operating-button- symbol-005.eps
	eaton-operating-button- symbol-007.eps
	eaton-operating-fak-palm- switch-3d-drawing.eps
	eaton-general-fak-palm- switch-symbol.eps
	eaton-operating-m22- symbol.eps
ECAD MODEL	ETN.FAK-S_KC11_I
INSTALLATION INSTRUCTIONS	<u>IL047027ZU IL04716006Z</u>
MCAD MODEL	<u>fak fak.stp</u>
WIRING DIAGRAMS	eaton-operating-contact- fak-palm-switch-wiring- diagram.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	



Eaton Corporation plc

Eaton House 30 Pembroke Road Dublin 4, Ireland Eaton.com

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