

Specifications

Photo is representative

Eaton 229747

Eaton Moeller® series FAK Palm switch, 1 N/C, emergency switching off, surface mounting

General specifications

PRODUCT NAME	Eaton Moeller® series FAK Palm switch
CATALOG NUMBER	229747
MODEL CODE	FAK-R/V/KC01/IY
EAN	4015082297473
PRODUCT LENGTH/DEPTH	100 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	85 mm
PRODUCT WEIGHT	0.308 kg
CERTIFICATIONS	CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL UL 508 UL File No.: E29184 VDE 0660 CSA-C22.2 No. 94-91 CE CSA Class No.: 3211-03 CSA File No.: 012528 CSA IEC/EN 60947-5-5 UL Category Control No.: NKCR
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947-5-1
GLOBAL CATALOG	229747

Product specifications

TYPE	Complete device
ACTUATOR COLOR	Red
FEATURES	Tamper-proof (according to ISO 13850/EN 418) Emergency stop pushbutton
ACTUATOR FUNCTION	Maintained Switching function latching
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.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Please enquire
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.

Resources

CATALOGS

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

DECLARATIONS OF CONFORMITY

[DA-DC-00004139.pdf](#)

[DA-DC-00004178.pdf](#)

[eaton-operating-switch-fak-palm-switch-dimensions.eps](#)

[eaton-operating-button-symbol-005.eps](#)

[eaton-operating-button-symbol-006.eps](#)

[eaton-operating-button-symbol-008.eps](#)

DRAWINGS

[eaton-operating-switch-fak-palm-switch-3d-drawing-002.eps](#)

[eaton-general-totally-insulated-t0-main-switch-symbol.eps](#)

[eaton-general-fak-palm-switch-symbol.eps](#)

[eaton-operating-m22-symbol.eps](#)

ECAD MODEL

[ETN.FAK-R_V KC01_IY](#)

INSTALLATION INSTRUCTIONS

[IL04716017Z IL04716006Z](#)

MCAD MODEL

[fak.stp fak](#)

WIRING DIAGRAMS

[eaton-operating-contact-fak-palm-switch-wiring-diagram-002.eps](#)

10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
OPERATING FREQUENCY	600 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
CONNECTION TO SMARTWIRE-DT	No
ENCLOSURE COLOR	Yellow Black
ACTUATING FORCE	60 N
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION	0 W

CAPACITY PDISS	
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.11 W
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0
MOUNTING POSITION	As required
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	NEMA 12 IP67/IP69K
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
LIFESPAN, MECHANICAL	100,000 Operations
UNLOCKING METHOD	Pull-release
OPENING DIAMETER	0 mm
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
PRODUCT CATEGORY	Foot and palm switches

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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