

Specifications



Photo is representative

Eaton 229748

Eaton FAK Palm switch, maintained, 60 N, 1 N/O, 1 N/C, red, pull-release, IP67/IP69K, NEMA 4X, 1 kA

General specifications

PRODUCT NAME	Eaton Moeller® series FAK Palm switch
CATALOG NUMBER	229748
MODEL CODE	FAK-R/V/KC11/IY
EAN	4015082297480
PRODUCT LENGTH/DEPTH	100 mm
PRODUCT HEIGHT	85 mm
PRODUCT WIDTH	85 mm
PRODUCT WEIGHT	0.32 kg
CERTIFICATIONS	IEC/EN 60947-5 CE CSA Class No.: 3211-03 VDE 0660 IEC/EN 60947-5-5 UL 508 UL Category Control No.: NKCR UL File No.: E29184 CSA CSA File No.: 012528 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 UL
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947-5-1



Powering Business Worldwide

Actuator

ACTUATING FORCE	60 N
ACTUATOR COLOR	Red
ACTUATOR FUNCTION	Switching function latching Maintained

Contacts

**NUMBER OF CONTACTS
(NORMALLY CLOSED
CONTACTS)** 1

**NUMBER OF CONTACTS
(NORMALLY OPEN
CONTACTS)** 1

Climatic environmental conditions

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

Design verification

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.

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.
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

Features & functions

ENCLOSURE COLOR	Yellow Black
FEATURES	Emergency stop pushbutton Tamper-proof (according to ISO 13850/EN 418)
UNLOCKING METHOD	Pull-release

General information

CONNECTION TO SMARTWIRE-DT	No
DEGREE OF PROTECTION	IP67/IP69K NEMA 4X
LIFESPAN, MECHANICAL	100,000 Operations
MOUNTING POSITION	As required
OPERATING FREQUENCY	600 Operations/h
PRODUCT CATEGORY	Foot and palm switches
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 15 g, Mechanical, According to IEC/EN 60068-2-27, Half- Sinusoidal shock 11 ms
TYPE	Complete device

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
	eaton-rmq-titan-brochure-br047004en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-palm-switch-declaration-of-conformity-uk251030en.pdf
	eaton-palm-switch-declaration-of-conformity-eu251551en.pdf
DRAWINGS	eaton-operating-switch-fak-palm-switch-dimensions.eps
	eaton-operating-button-symbol-006.eps
	eaton-operating-button-symbol-008.eps
	eaton-operating-switch-fak-palm-switch-3d-drawing-002.eps
	eaton-operating-button-symbol-005.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 KC11_IY
INSTALLATION INSTRUCTIONS	IL04716006Z IL04716017Z
MCAD MODEL	eaton-pushbuttons-complete-mcad-drawings-fak.dwg
	eaton-pushbuttons-complete-mcad-3d-models-fak.stp
WIRING DIAGRAMS	eaton-operating-contact-m22-housing-wiring-diagram.eps

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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