Specifications



Photo is representative

Eaton 229747

Eaton FAK Palm switch, maintained, 60 N, 1 N/C, red, pull-release, IP67/IP69K, NEMA 12, 1 kA

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

Actuator

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

Contacts

NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0

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	Tamper-proof (according to ISO 13850/EN 418) Emergency stop pushbutton
UNLOCKING METHOD	Pull-release

General information

CONNECTION TO SMARTWIRE-DT	No
DEGREE OF PROTECTION	NEMA 12 IP67/IP69K
LIFESPAN, MECHANICAL	100,000 Operations
MOUNTING POSITION	As required
OPERATING FREQUENCY	600 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
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-eu251551en.pdf eaton-palm-switch-declaration-of-conformity-uk251030en.pdf
DRAWINGS	eaton-operating-switch-fak-palm-switch-dimensions.eps eaton-operating-button-symbol-006.eps eaton-operating-switch-fak-palm-switch-3d-drawing-002.eps eaton-general-totally-insulated-t0-main-switch-symbol.eps eaton-operating-button-symbol-005.eps eaton-operating-button-symbol-008.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	eaton-pushbuttons-complete-mcad-3d-models-fak.stp eaton-pushbuttons-complete-mcad-drawings-fak.dwg
WIRING DIAGRAMS	eaton-operating-contact-fak-palm-switch-wiring-diagram-002.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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