

Eaton 229747

Catalog Number: 229747

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

General specifications



Photo is representative

Product Name	Catalog Number
Eaton Moeller® series FAK Palm switch	229747

Model Code	EAN
FAK-R/V/KC01/IY	4015082297473

Product Length/Depth	Product Height
100 mm	85 mm

Product Width	Product Weight
85 mm	0.308 kg

Certifications	Catalog Notes
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	Contacts with safety function, by positive opening to IEC/EN 60947-5-1

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.

Catalogs

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)
[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

Certification reports

[DA-DC-00004139.pdf](#)
[DA-DC-00004178.pdf](#)

Drawings

[eaton-operating-switch-fak-palm-switch-dimensions.eps](#)
[eaton-operating-button-symbol-005.eps](#)
[eaton-operating-button-symbol-008.eps](#)
[eaton-general-totally-insulated-t0-main-switch-symbol.eps](#)
[eaton-operating-button-symbol-006.eps](#)
[eaton-operating-switch-fak-palm-switch-3d-drawing-002.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](#)
[fak.stp](#)

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 P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

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 (I_q)

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 (I_n)

6 A

Static heat dissipation, non-current-dependent Pvs

0 W

Product category

Foot and palm switches



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com
© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)