Product specifications

Eaton 229746

Catalog Number: 229746

Eaton Moeller® series FAK Palm switch, 1N/O+1N/C, mushroom red, surface mounting FAK-R/KC11/I

General specifications

Product Name
Eaton Moeller® series FAK Palm switch

Catalog Number
229746

Model Code
FAK-R/KC11/I

EAN
4015082297466

Product Length/Depth
85 mm

Product Height
85 mm

Product Width
100 mm

Product Weight
0.324 kg

Certifications
CSA-C22.2 No. 94-91
CSA
CSA File No.: 012528
UL File No.: E29184
CSA Class No.: 3211-03
IEC/EN 60947-5
IEC/EN 60947-5-1
UL Category Control No.: NKCR
VDE 0660
UL
CE
CSA-C22.2 No. 14-05
UL 508

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

Powering Business Worldwide

Features & Functions

Enclosure color

Gray

Black

Unlocking method

None

General

Connection to SmartWire-DT

No

Degree of protection

IP67/IP69K

NEMA 4X

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

Type

Complete device

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

55 °C

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30

Damp heat, constant, to IEC 60068-2-78

Actuator

Actuating force

40 N

Actuator color

Red

Actuator function

Momentary

Spring-return

Contacts

Number of contacts (normally closed contacts)

1

Number of contacts (normally open contacts)

Design verification

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

1

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

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.

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

Brochures

RMQ Titan - brochure

Catalogues

Product Range Catalog Command and Indication Control Circuit Devices, Signal Towers

Certification reports

DA-DC-00004084.pdf

DA-DC-00004173.pdf

Characteristic curve

eaton-operating-fak-palm-switch-3d-drawing-002.eps

Drawings

eaton-operating-switch-fak-palm-switch-dimensions.eps

eaton-general-totally-insulated-t0-main-switch-symbol.eps

eaton-operating-button-symbol-006.eps

eaton-operating-button-symbol-005.eps

eaton-operating-button-symbol-007.eps

eaton-operating-switch-fak-palm-switch-3d-drawing.eps

eaton-operating-m22-symbol.eps

eaton-general-fak-palm-switch-symbol.eps

eCAD model

ETN.FAK-R_KC11_I

Installation instructions

IL04716006Z

IL047027ZU

mCAD model

fak.stp

fak

Wiring diagrams

eaton-operating-contact-fak-palm-switch-wiring-diagram.eps

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