

Eaton 229749

Catalog Number: 229749

Eaton Moeller® series FAK Palm switch, 1N/O+1N/C, mushroom black, surface mounting

General specifications



Product Name	Catalog Number
Eaton Moeller® series FAK Palm switch	229749

Model Code	EAN
FAK-S/KC11/I	4015082297497

Product Length/Depth	Product Height
100 mm	85 mm

Product Width	Product Weight
85 mm	0.324 kg

Certifications	Catalog Notes
UL 508	Contacts with safety function, by positive opening to IEC/EN 60947-5-1
CSA	
IEC/EN 60947-5	
CSA-C22.2 No. 94-91	
UL Category Control No.: NKCR	
UL File No.: E29184	
CE	

CSA Class No.: 3211-03
IEC/EN 60947-5-1
UL
CSA File No.: 012528
CSA-C22.2 No. 14-05
VDE 0660

Features & Functions

Enclosure color

Black
Gray

Unlocking method

None

General

Connection to SmartWire-DT

No

Degree of protection

NEMA 4X
IP67/IP69K

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, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30

Actuator

Actuating force

40 N

Actuator color

Black

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 P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

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

0.11 W

Rated operational current for specified heat dissipation (I_n)

6 A

Static heat dissipation, non-current-dependent P_{vs}

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-00004173.pdf](#)

[DA-DC-00004084.pdf](#)

Drawings

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

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

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

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

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

[eaton-operating-button-symbol-007.eps](#)

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

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

eCAD model

[ETN.FAK-S_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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