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Powering Business Worldwide

FAK-RV/KC01/IY - Palm switch, 1 NC, emergency switching off, surface mounting



229747 FAK-RV/KC01/IY

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229747 FAK-RV/KC01/IY

Palm switch, 1 NC, emergency switching off, surface mounting

Alternate Catalog No.

FAK-R-V-KC01-IY

EL-Nummer (Norway)

4355791

Foot and palm switch, Complete unit, Function: maintained, Description: Pull to release, Emergency stop pushbutton tamper-proof to ISO 13850/EN 418, Contacts N/C = Normally closed: 1 NC, Contacts Notes = safety function, by positive opening to IEC/EN 60947-5-1, Colour Button: Red, Colour enclosure top: Yellow, Colour Enclosure base: Black, Connection to SmartWire-DT: no, Standards: IEC/EN 60947-5-5, VDE 0660, Degree of protection, IEC/EN 60529: IP66, IP67, IP69K, Mounting position: As required

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Delivery program

Product range

Foot and palm switches

Basic function

Complete devices

Single unit/Complete unit

Complete unit

Function

maintained

Description

Pull to release

Emergency stop pushbutton tamper-proof to ISO 13850/EN 418

Contacts

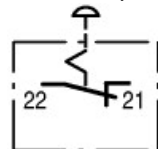
N/C = Normally closed

1 NC

Notes

= safety function, by positive opening to IEC/EN 60947-5-1

Contact sequence

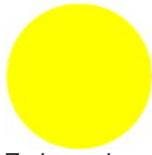


Colour

Button
Red



enclosure top
Yellow



Enclosure base
Black



Approval



Connection to SmartWire-DT
no

Technical data

General

Standards

IEC/EN 60947-5-5, VDE 0660

Lifespan, mechanical [Operations]

> 0.1 x 10⁶

Operating frequency [Operations/h]

□ 600

Actuating force

40 - 60 N

Degree of protection, IEC/EN 60529

IP66, IP67, IP69

Climatic proofing

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

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

Ambient temperature Open

-25 - +55 °C

Mounting position

As required

Mechanical shock resistance

> 15

Shock duration 11 ms

Sinusoidal

according to IEC 60068-2-27 g

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_r]

6 A

Heat dissipation per pole, current-dependent [P_{id}]

0.11 W

Equipment heat dissipation, current-dependent [P_{id}]

0 W

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

0 W

Heat dissipation capacity [P_{diss}]

0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+55 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts 10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 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.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Foot-/palm switch complete (EC000231)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Foot, palm switch (ecl@ss10.0.1-27-37-12-17 [AKF035014])

Unlocking method

Full-release

Colour cap

Red

Number of contacts as normally open contact

0

Number of contacts as normally closed contact

1

Switching function latching

Yes

Spring-return

No

Hole diameter

0 mm

Degree of protection (IP)

IP67/IP69K

Degree of protection (NEVA)

4X

Approvals

Product Standards
IEC/EN 60947-5; UL 508; CSA-C22.2 Nb. 14-05; CSA-C22.2 Nb. 94-91; CE marking
UL File No.
E29184
UL Category Control No.
NKCR
CSA File No.
012528
CSA Class No.
3211-03
North America Certification
UL listed, CSA certified
Degree of Protection
UL/CSA Type 3R, 4X, 12, 13

Dimensions



3 x M20 (PG 13.5) on the side
1 x M16 in the base

CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

DWG files

- [DA-CD-fak](#)
File
(Web)

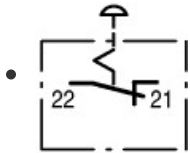
edz files

- [DA-CE-ETN.FAK-R_V_K001_IY](#)
File
(Web)

Step files

- [DA-CS-fak](#)
File
(Web)

Wiring diagram



[116S034](#)

Line drawing
Break contact

Dimensions single product

- [116X025](#)
Line drawing
Foot and palm switches
 3 x M20 (PG 13.5) lateral

3D drawing

- □ [116J065](#)
Line drawing
Foot and palm switches

Product photo

- 
[116A063](#)
Photo
FAK complete device emergency stop

Instruction Leaflet


- [Indicator light \(IL04716006Z\)](#)
Asset
former AWA1160-1696
(PDF, 06/2018, multilingual)
- [FAK Emergency stop: Foot and palm switches \(IL04716017Z\)](#)
Asset
(PDF, 05/2021, multilingual)

Symbol

- □ [000Z038](#)
Graphic
Industrial design
- □ [000Z083](#)
Logo
totally insulated (en, de, fr, es, it, zh, ru, nl, sv, cs, pl, tr)

- 
[116C060](#)
Graphic
Button plate, black

- 
[116C061](#)
Graphic
Button plate, red

- 
[116C064](#)
Graphic
Button plate, yellow

- □ [116Z028](#)
Graphic
TÜV Rheinland test mark

Declaration of Conformity


EU

- [DA-DC-00002840](#)
Asset
(PDF)
- [Foot and Palm Switch FAK, Emergency-stop \(DA-DC-00003621\)](#)
Asset
(PDF)

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