## **DATASHEET - FAK-R/V/KC02/IY**



## Palm switch, 2 N/C, emergency switching off, surface mounting

Part no. FAK-R/V/KC02/IY

256790

**EL Number** 

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(Norwa	v)
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Product tame	(Norway)	
Part no. EAN 4015E255F3CG FYCodect Length Clepth Product beight Product beight Product beight Product width Product Septh Produc	General specifications	
EANI Product Length Depth Product Length Depth Product width Product Indenance Product Inden	Product name	Eaton Moeller® series FAK Palm switch
Product length Upsth Product veight 8 millimetre Product veight 0.322 bilogram Product veight 0.322 bilogram  ECEN 80347-5-5 LL ECEN 80347-5-5 LL ECEN 80347-5-5 LC ECEN 80347-5-1 LC ECEN 80347	Part no.	FAK-R/V/KC02/IY
Product windth Product windth Product windth Product windth Product windth Cartifications Cartif	EAN	4015082567903
Product weight         0.322 klogram           Conficiations         IECEN W0947-5           UL         IECEN W0947-5           UL         IECEN W0947-5           USA         VEX.02.22 kb. 94-91           VEX.02.22 kb. 94-91         VEX.02.22 kb. 94-91	Product Length/Depth	100 millimetre
Product weight  Certifications  Certifications	Product height	85 millimetre
Certifications    ECCH 80947-5-5	Product width	85 millimetre
IECH N947-5 CSA CSA Us 4-91   IECH N947-5 CSA Us 4-91   IECH N958-1   IECH	Product weight	0.322 kilogram
Product Type Product Sub Type Catalog Notes Contacts with safety function, by positive opening to IEC/EN 66947-5-1 Features & Functions Enclosure color Features Enclosure color Features Climatic profing to product catagory Shock resistance Type Climatic environmental conditions Type Climatic environmental conditions Anhibient operating temperature - min Anhibient operating temperature - max Climatic profing Category Actuator Character Actuator function Category Actuator function Climatic profing Climatic profing Climatic conditions Actuator Climatic profing Category Actuator function Climatic profing Climatic p		UL IEC/EN 60947-5 CSA CSA-C22.2 No. 94-91 VDE 0660 UL 508 UL Category Control No.: NKCR CSA-C22.2 No. 14-05 CE CSA File No.: 012528 CSA Class No.: 3211-03 UL File No.: E29184
Product Sub Type Catalog Notes Catalog Notes Contacts with safety function, by positive opening to IEC/EN 68947-5-1  Features & Functions Enclosure color Enclosure color Features Enclosure with safety function, by positive opening to IEC/EN 68947-5-1  Black Yellow Features Emergency stop pushbutton Tamper-proof faccording to ISO 13850/EN 418)  Unlocking method Unlocking method Pull-release General information Connection to SmartWire-DIT Degree of protection IP67/PSKK NETMA AX Lifespan, mechanical Lifespan, mechanical Opening diameter Opening diameter Opening diameter Opening diameter Opening diameter Operating frequency Foot and palm switches Shock resistance Shock resistance Shock resistance Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - min - 25 °C Ambient operating temperature - min - 25 °C Climatic environmental remperature - max Climatic proofing Actuator Actuator Actuator Actuator Actuator function  Red Actuator function   Switching function latching		
Catalog Notes  Features & Functions  Enclosure color  Features  Unlocking method  General information  Connection to SmartWire-DT  Degree of protection  Mounting position  Opening diameter  Opening diameter  Opening frequency  Product catagory  Shock resistance  Shock resistance  Ambient operating temperature - min  Actuator  Actuator  Actuator  Actuator  Enclosure & Features  Black  Yellow  Features stop pushbutton  Tamper-proof (according to ISO 13850/EN 418)  Pull-release  Funder, according to ISO 13850/EN 418)  Pull-release  Features  Pull-release  Pull-release  Pull-release  Interpers of protection  No  Operation SmartWire-DT  No  Operation SmartWire-DT  No  Omm  Operations/h  Foot and pain switches  Is g, Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoid		Palm switch
Features & Functions  Enclosure color  Enclosure color  Features  Emergency stop pushbutton Tamper-proof (according to ISO 13850/EN 418)  Unlocking method  General information  Connection to SmartWire-DT  Dagree of protection  No  Dagree of protection  No  Dagree of protection  Mounting position  As required  Opening diameter  Openating frequency  Foot and palm switches  Shock resistance  15 g, Machanical, According to IEC/EN 60088-2-27, Half-Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60088-2-27  Type  Complete device  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  Cimatic proofing  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78  Actuator  Actuator  Actuator  Actuator  Actuator Index of Switching function latching		None
Enclosure color  Features  Emergency stop pushbutton Tamper-proof (according to ISO 13850/EN 418)  Unlocking method  Pull-release  Connection to SmartWire-DT  Degree of protection  Lifespan, mechanical  Logentian frequency  Opening diameter  Opening diameter  Operating frequency  Product category  Shock resistance  Shock resistance  Ambient operating temperature - min  Ambient operating temperature - max  Climatic proofing  Antient operating temperature - max  Climatic proofing  Actuator  Actuator  Actuator function  Actuator function  Red  Actuator function  Emergency sop pushbutton  Emergency stop pushbutton  Emergency stop pushbutton  Pull-release  No  No  No  No  Operating to ISO 13850/EN 418)  No  No  No  As required  Op mm  600 Operations  Foot and palm switches  15 g. Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Half-	•	Contacts with safety function, by positive opening to IEC/EN 60947-5-1
Features  Featur	Features & Functions	
Unlocking method  General information  Connection to SmartWire-DT  Degree of protection  Lifespan, mechanical  Mounting position  Operating frequency  Product category  Shock resistance  Shock resistance  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  Climatic proofing  Actuator function  Actuator function  Actuator function  Lifespan, mechanical  No  No  No  No  No  No  No  No  No  N	Enclosure color	
General information  Connection to SmartWire-DT  Degree of protection  No  P67/P69K NEMA 4X  Lifespan, mechanical  100,000 Operations  Mounting position  As required Opening diameter  Opening diameter  Operating frequency 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  Actuator color Actuator function  Red  Switching function latching	Features	
Connection to SmartWire-DT  Degree of protection  Degree of protection  P67/IP89K NEMA 4X  Lifespan, mechanical  Mounting position  Opening diameter  Opening diameter  Operating frequency  Product category  Shock resistance  Type  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  Climatic proofing  Actuator	Unlocking method	Pull-release
Degree of protection    P67/P69K   NEMA 4X     Lifespan, mechanical   100,000 Operations     Mounting position   As required     Opening diameter   0 mm     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     Climatic environmental conditions     Ambient operating temperature - min   -25 °C     Ambient operating temperature - max   55 °C     Climatic proofing   Damp heat, constant, to IEC 60068-2-30     Damp heat, constant, to IEC 60068-2-78     Actuator color   Red     Actuator function   Red     Actuator function   Switching function latching     Switching function latching     Switching function latching     Switching function latching     Complete device     Com	General information	
Lifespan, mechanical       NEMA 4X         Mounting position       100,000 Operations         Opening diameter       0 mm         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         Climatic environmental conditions       -25 °C         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       60 N         Actuator color       Red         Actuator function       Switching function latching	Connection to SmartWire-DT	No
Mounting position Opening diameter Opening diameter Opening frequency 600 Operations/h Product category Foot and palm switches Shock resistance Shock resistance Shock resistance Type Complete device Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - max Climatic proofing Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 Actuator Actuator Goor Actuator Goor Actuator Goor Actuator Function Switching function latching	Degree of protection	
Operating frequency Operating frequency Foot and palm switches Shock resistance Shock resis	Lifespan, mechanical	100,000 Operations
Operating frequency  Froduct category  Shock resistance  Shock resistance  Type  Complete device  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  Climatic proofing  Actuator  Actuator  Actuator olor  Actuator function  600 Operations/h  Foot and palm switches  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 60068-2-27  Complete device  -25 °C  Damp heat, cyclic, to IEC 60068-2-30  Damp heat, cyclic, to IEC 60068-2-30  Damp heat, constant, to IEC 60068-2-78  Actuator Go N  Red  Switching function latching	Mounting position	As required
Product category  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  Ambient operating temperature - max  Climatic proofing  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78  Actuator  Actuator Golor  Actuator color  Actuator function  Foot and palm switches  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  -25 °C  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78  Actuator function  Switching function latching	Opening diameter	0 mm
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  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  Actuator Golor  Actuator color  Actuator function  Switching function latching	Operating frequency	600 Operations/h
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  Actuator function 60 N  Actuator function Switching function latching	Product category	Foot and palm switches
Climatic environmental conditions  Ambient operating temperature - min  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  Actuator force  Actuator color  Actuator function  Switching function latching	Shock resistance	
Ambient operating temperature - min  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  Actuator  Actuating force  Actuator color  Red  Actuator function  Switching function latching	Туре	Complete device
Ambient operating temperature - max  Climatic proofing  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78  Actuator  Actuating force 60 N  Actuator color Red Actuator function Switching function latching	Climatic environmental conditions	
Climatic proofing  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78  Actuator  Actuating force 60 N  Actuator color Red  Actuator function Switching function latching	Ambient operating temperature - min	-25 °C
Actuator  Actuator 60 N  Actuator color Red  Actuator function Switching function latching	Ambient operating temperature - max	55 °C
Actuating force 60 N Actuator color Red Actuator function Switching function latching	Climatic proofing	
Actuator color Red Actuator function Switching function latching	Actuator	
Actuator function Switching function latching	Actuating force	60 N
	Actuator color	Red
	Actuator function	

Number of contacts (normally closed contacts)	2
Number of contacts (normally open contacts)	0
Design verification	
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
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.

## **Technical data ETIM 9.0**

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@ss13-27-37-12-17 [AKF035019])					
Unlocking method			Pull-release		
Colour cap			Red		
Number of contacts as normally open contact			0		
Number of contacts as normally closed contact			2		
Switching function latching			Yes		
Spring-return			No		
Hole diameter	ı	mm	0		
Degree of protection (IP)			IP67/IP69K		
Degree of protection (NEMA)			4X		