



Palm switch, 1N/O+1N/C, mushroom black, surface mounting

**Part no.** FAK-S/KC11/I  
**229749**  
**EL Number** 4355221  
**(Norway)**

General specifications	
Product name	Eaton Moeller® series FAK Palm switch
Part no.	FAK-S/KC11/I
EAN	4015082297497
Product Length/Depth	100 millimetre
Product height	85 millimetre
Product width	85 millimetre
Product weight	0.324 kilogram
Certifications	VDE 0660 UL File No.: E29184 IEC/EN 60947-5 UL CE UL 508 IEC/EN 60947-5-1 CSA-C22.2 No. 94-91 CSA File No.: 012528 CSA-C22.2 No. 14-05 UL Category Control No.: NKCR CSA CSA Class No.: 3211-03
Product Tradename	FAK
Product Type	Palm switch
Product Sub Type	None
Catalog Notes	Contacts with safety function, by positive opening to IEC/EN 60947-5-1
Features & Functions	
Enclosure color	Black Gray
Unlocking method	None
General information	
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)	1

Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		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		None
Colour cap		Black
Number of contacts as normally open contact		1
Number of contacts as normally closed contact		1
Switching function latching		No
Spring-return		Yes
Hole diameter	mm	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X