

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

Part no. FAK-S/KC11/I
229749

EL Number
(Norway) 4355221

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 P _{diss}		0 W
Heat dissipation per pole, current-dependent Pvid		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.

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