

## Palm switch, 1N/O, mushroom black

**Part no.**                    **FAK-S/KC10/I**  
**115963**

<b>General specifications</b>		
Product name		Eaton Moeller® series FAK Palm switch
Part no.		FAK-S/KC10/I
EAN		4015081157037
Product Length/Depth		100 millimetre
Product height		85 millimetre
Product width		85 millimetre
Product weight		0.35 kilogram
Certifications		VDE 0660 IEC/EN 60947-5-5
Product Tradename		FAK
Product Type		Palm switch
Product Sub Type		None
<b>Features &amp; Functions</b>		
Enclosure color		Black Gray
Unlocking method		None
<b>General information</b>		
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		Mechanical, According to IEC/EN 60068-2-27 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-Sinusoidal shock 11 ms
Type		Basic device
<b>Climatic environmental conditions</b>		
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
<b>Actuator</b>		
Actuating force		40 N
Actuator color		Black
Actuator function		Spring-return Momentary
<b>Contacts</b>		
Number of contacts (normally closed contacts)		0
Number of contacts (normally open contacts)		1
<b>Design verification</b>		
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			0
Switching function latching			No
Spring-return			Yes
Hole diameter		mm	0
Degree of protection (IP)			IP67/IP69K
Degree of protection (NEMA)			4X