

Function element, for combination with RMQ-Titan operating elements  
M22-..., 1 changeover contact, Front fixing

Part no. **M22-SWD-K11**  
**115964**  
EL Number  
(Norway) **4355000**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Function element
Part no.		M22-SWD-K11
EAN		4015081157044
Product Length/Depth		40 millimetre
Product height		42 millimetre
Product width		10 millimetre
Product weight		0.009 kilogram
Certifications		CSA File No.: 2324643 UL CSA Class No.: 3211-07 EN 50178 UL Category Control No.: NKCR CSA UL File No.: E29184 IEC/EN 61131-2 LRS BV
Product Tradename		M22
Product Type		Function element
Product Sub Type		None
<b>Features &amp; Functions</b>		
Electric connection type		Flat plug-in connection
Functions		For combination with RMQ-Titan operating elements M22-... Diagnosis function
<b>General information</b>		
Degree of protection		IP20
Model		Top mounting
Mounting method		Front fastening
Overvoltage category		Not applicable
Pollution degree		2
Product category		SmartWire-DT RMQ connections
<b>Ambient conditions, mechanical</b>		
Constant acceleration		1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations
Constant amplitude		3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations
Drop and topple		50 mm Drop height, Drop to IEC/EN 60068-2-31
Height of fall (IEC/EN 60068-2-32) - max		0.3 m
Mounting position		As required
Shock resistance		15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts
<b>Climatic environmental conditions</b>		
Ambient operating temperature - min		-30 °C
Ambient operating temperature - max		70 °C
Ambient storage temperature - min		40 °C
Ambient storage temperature - max		80 °C
Environmental conditions		Condensation: prevent with appropriate measures
Relative humidity		9 - 95 % (non-condensing, IEC/EN 60068-2-30)
<b>Electro magnetic compatibility</b>		
Air discharge		8 kV, according to IEC 61131-2, level 3, ESD
Burst impulse		1 kV, SmartWire-DT cable, according to IEC/EN 61131-2, Level 3 2 kV, Supply cable, according to IEC/EN 61131-2, Level 3

Contact discharge			4 kV, according to IEC/EN 61131-2, Level 2, ESD
Electromagnetic fields			10 V/m at 80 - 1000 MHz (according to IEC/EN 61131-2:2008) 3 V/m at 1.4 - 2 GHz (according to IEC/EN 61131-2:2008) 1 V/m at 2.0 - 2.7 GHz (according to IEC/EN 61131-2:2008)
Radiated RFI			10 V (IEC/EN 61131-2:2008, Level 3)
Radio interference class			Class A (EN 55011)
Electrical rating			
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V			0 A
Communication			
Addressing			Address set automatically
Connection			SmartWire-DT plug connector SWD4-8SF2-5
Connection to SmartWire-DT			Yes
Connection type			Front fixing SWD: Plug, 8-pole
LED indicator			Status indication of SmartWire-DT network: Green LED Status indication of Switching state: Yellow LED
Station			SmartWire-DT slave, SmartWire-DT network
Contacts			
Number of contacts (change-over contacts)			1
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 W
Rated operational current for specified heat dissipation (In)			0 A
Static heat dissipation, non-current-dependent Pvs			0.3 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			Meets the product standard's requirements.
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) / Auxiliary contact block (EC000041)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ec@ss13-27-37-13-02 [AKN342018])			
Number of contacts as change-over contact			1

Number of contacts as normally open contact			1
Number of contacts as normally closed contact			1
Number of fault-signal switches			0
Rated operation current Ie at AC-15, 230 V		A	0
Type of electric connection			Flat plug-in connection
Model			Clip-on
Mounting method			Front fastening
Lamp holder			None