

Function element M22, 1 N/O, 1 N/C, 1 C/O, Floor fastening, Base fixing,  
SWD: Plug, 8-pole

Part no. **M22-SWD-KC11**

**115995**

EL Number

**4355018**

(Norway)

General specifications	
Product name	Eaton Moeller® series M22 Function element
Part no.	M22-SWD-KC11
EAN	4015081157358
Product Length/Depth	40 millimetre
Product height	42 millimetre
Product width	10 millimetre
Product weight	0.009 kilogram
Certifications	IEC/EN 61131-2 UL Category Control No.: NKCR EN 50178 CSA File No.: 2324643 CSA Class No.: 3211-07 UL File No.: E29184 UL CSA
Product Tradename	M22
Product Type	Function element
Product Sub Type	None
Features & Functions	
Electric connection type	Flat plug-in connection
Functions	For combination with RMQ-Titan operating elements M22-... Diagnosis function
General information	
Degree of protection	IP20
Model	Top mounting
Mounting method	Floor fastening
Overvoltage category	Not applicable
Pollution degree	2
Product category	SmartWire-DT RMQ connections
Ambient conditions, mechanical	
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
Climatic environmental conditions	
Ambient operating temperature - min	-30 °C
Ambient operating temperature - max	55 °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)
Electro magnetic compatibility	
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)
<b>Electrical rating</b>			
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V			0 A
<b>Communication</b>			
Addressing			Address set automatically
Connection			SmartWire-DT plug connector M22-SWD-I...LP
Connection to SmartWire-DT			Yes
Connection type			SWD: Plug, 8-pole Base fixing
LED indicator			Status indication of SmartWire-DT network: Green LED Status indication of Switching state: Yellow LED
Station			SmartWire-DT slave, SmartWire-DT network
<b>Contacts</b>			
Number of contacts (change-over contacts)			1
Number of contacts (normally closed contacts)			1
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 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 (ecI@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 $I_e$ at AC-15, 230 V	A	0
Type of electric connection		Flat plug-in connection
Model		Clip-on
Mounting method		Floor fastening
Lamp holder		None