

Contact element, 1 N/C, front mount, screw connection



Part no. E01
090401
EL Number 4356332
(Norway)

General specifications		
Product name		Eaton Moeller® series E01 Accessory Contact element
Part no.		E01
EAN		4015080904014
Product Length/Depth		6 millimetre
Product height		29 millimetre
Product width		18 millimetre
Product weight		0.003 kilogram
Certifications		CSA UL 508 IEC/EN 60947-5 CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 CSA File No.: 46552 UL Category Control No.: NKCR UL File No.: E29184 IEC/EN 60947 CE UL
Product Tradename		E01
Product Type		Accessory
Product Sub Type		Contact element
Catalog Notes		Contacts with safety function, by positive opening to IEC/EN 60947-5-1 Use of insulated ferrule ISH 2,8 > 24 V AC/DC recommended Use of insulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unused blade terminals
Features & Functions		
Electric connection type		Screw connection
General information		
Degree of protection		IP20, with Insulated ferrule ISH2,8
Lifespan, mechanical		100,000,000 Operations
Model		Top mounting
Mounting method		Front fastening
Operating frequency		3600 Operations/h
Overvoltage category		III
Pollution degree		3
Product category		Accessories
Rated impulse withstand voltage (Uimp)		4000 V AC
Terminal capacity		0.5 - 1.0 mm²
Terminal size		2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal
Ambient conditions, mechanical		
Mounting position		As required
Shock resistance		40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		60 °C
Ambient operating temperature (enclosed) - min		25 °C
Ambient operating temperature (enclosed) - max		40 °C
Climatic proofing		Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Electrical rating		
Rated insulation voltage (Ui)		250 V

Rated operational current (Ie)		4 A at AC-15, 48 V 4 A at AC-15, 110 V
Rated operational current (Ie) at AC-15, 24 V		4 A
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V		6 A
Rated operational current (Ie) at DC-13, 24 V		1.5 A
Rated operational current (Ie) at DC-13, 42 V		1 A
Rated operational current (Ie) at DC-13, 60 V		0.8 A
Rated operational current (Ie) at DC-13, 110 V		0.5 A
Rated operational current (Ie) at DC-13, 220 V, 230 V		0.2 A
Rated operational voltage (Ue) at AC - max		250 V
Short-circuit protection		FAZ-B6/1, Fuseless
Short-circuit protection rating		Max. 10 A gG/gL, Fuse, Contacts
Actuator		
Actuating force - max		3 N
Contacts		
Control circuit reliability		1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA) 1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA)
Number of contacts (change-over contacts)		0
Number of contacts (normally closed contacts)		1
Number of contacts (normally open contacts)		0
Communication		
Connection to SmartWire-DT		No
Connection type		Blade terminal
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		0.1 W
Rated operational current for specified heat dissipation (In)		4 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		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.

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 (ecl@ss13-27-37-13-02 [AKN342018])			
Number of contacts as change-over contact			0
Number of contacts as normally open contact			0
Number of contacts as normally closed contact			1
Number of fault-signal switches			0
Rated operation current Ie at AC-15, 230 V		A	6
Type of electric connection			Screw connection
Model			Clip-on
Mounting method			Front fastening
Lamp holder			None