DATASHEET - M22-ASI-S

ASI-Slave safety, 2I, 1O, screw connection

Part no.	**M22-ASI-S**
Catalog No.	**231270**
Eaton Catalog No.	**M22-ASI-SQ**

Powering Business Worldwide™

Delivery program

Product range			Accessories
Accessories			AS-Interface
Basic function accessories			Emergency switching off circuits
Single unit/Complete unit			Single unit
Approval			Product Safety Functional Safety TÜVRheinland CERTIFIED www.tuv.com ID 0000000000
Fixing			Front fixing for RMQ-Titan
			AS-Interface slave Adapter element for RMQ-Titan AS-Interface information: 1 dual-channel input, 1 output Module enclosure for snap fitting on the contact and LED elements: - Inputs for 2 contact elements: M22-K01 (break) – Output for 1 LED element: M22-LED-... Including AS-Interface connector as insulation piercing terminal
Connection to SmartWire-DT			no

Technical data

Emergency-Stop circuits

Connection of the AS interface line			Yellow plug-in terminal as insulation piercing terminal
Power supply			Completely from the AS-Interface, cable 26.5 - 31.6 V DC
Fixing			Front fixing for RMQ-Titan
Addressing			Via AS-Interface cable
Max. total current		A	45 mA
Ambient temperature		°C	-25 - +55
Mechanical shock resistance		g	30 Shock duration 11 ms according to IEC 60068-2-27
Degree of Protection			IP20
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Mounting position			As required
Standards			EN 50178 EN 50295_x
Inputs			2-channel input (22 V/5 mA) (moduled by code sequence) (2 break contact sets RMQ-Titan M22-K01)
Outputs			1 output, typically 19 V/8 mA, short-circuit proof

Status displays

Power AS-Interface cable			Green LED on the back
Error AS-Interface, failure of AS-Interface master			Red LED on the back
Profile			S-7.B.E

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	1.5
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70

IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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.

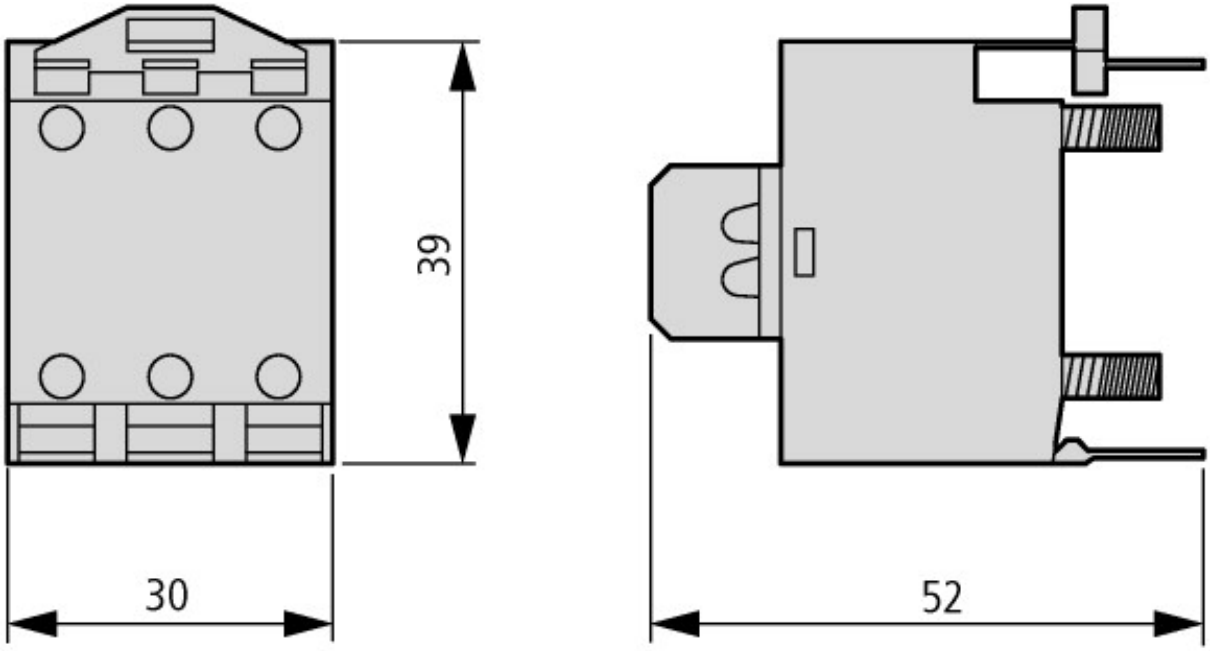
Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Adapter for control circuit devices (EC001020)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Adapter for command devices (ecl@ss10.0.1-27-37-12-26 [AKF044014])			
Built-in diameter		mm	0
Number of appliances to build in			0

Approvals

Product Standards			IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.			E29184
UL Category Control No.			NKCR
CSA File No.			012528
CSA Class No.			3211-03
North America Certification			UL listed, CSA certified

Dimensions



Additional product information (links)

IL04716018Z (AWA1160-1541) AS Interface connection for RMQ	
IL04716018Z (AWA1160-1541) AS Interface connection for RMQ	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716018Z2018_05.pdf