DATASHEET - M22S-WS-RS

Key-operated actuator, momentary, 2 positions, Ronis 455, Key withdrawable: 0, Bezel: black

Part no. **M22S-WS-RS**
171148

General specifications

Product name	Eaton Moeller® series M22 Key-operated actuator
Part no.	M22S-WS-RS
EAN	4015081676385
Product Length/Depth	48 millimetre
Product height	59 millimetre
Product width	46 millimetre
Product weight	0.037 kilogram
Certifications	GL LR DNV CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL Category Control No.: NKCR CSA Class No.: 3211-03 IEC/EN 60947 CSA-C22.2 No. 14-05 CE CSA File No.: 012528 UL 508 CSA UL File No.: E29184 UL VDE 0660
Product Tradename	M22
Product Type	Key-operated actuator
Product Sub Type	None
Catalog Notes	Not suitable for master key systems Key withdraw convertible with coding adapters M22-XC-...

Features & Functions

Bezel color	Black
Bezel material	Plastic
Design	Classical Key operated
Fitted with:	Front ring
Functions	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
Key code	Ronis 455

General information

Accessories	2 keys included with supplied equipment.
Degree of protection	NEMA 4X, 13
Degree of protection (front side)	IP66
Lifespan, mechanical	100,000 Operations
Opening diameter	22.5 mm
Operating frequency	100 Operations/h
Operating torque	0.5 N·m
Overvoltage category	III
Pollution degree	3
Product category	RMQ-Titan
Size	Front diameter: 29.7 mm
Switching angle	40 °
Type	Key-operated button

Ambient conditions, mechanical

Mounting position	As required
Shock resistance	30 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	70 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Communication	
Connection to SmartWire-DT	With SWD-RMQ connections Yes
Actuator	
Actuator color	Black
Actuator function	Key withdrawable in position 0 Spring-return Momentary
Actuator type	Key
Number of switch positions	2
Contacts	
Force for positive opening - min	0 N
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	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 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	Not applicable.
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) / Front element for selector switch (EC000222)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss13-27-37-12-13 [AKF031019])

Number of switch positions	2
Type of control element	Key
Suitable for illumination	No
Colour control element	Black
Colour indicator light cap	Other
Construction type lens	Round

Hole diameter		mm	22.5
Width opening		mm	0
Height opening		mm	0
Switching function latching			No
Spring-return			Yes
With front ring			Yes
Material front ring			Plastic
Colour front ring			Black
Degree of protection (IP), front side			IP66
Degree of protection (NEMA)			4X, 13

© 04/2023 by Eaton Industries GmbH