DATASHEET - M22S-WS

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



Part no. M22S-WS 216882

Bezel color Back Bezel material Plastic Color Image: Color Design Image: Color Fitted with: Fitted with: Functions Image: Color	General specifications	
Fvaluet isopht@ph 6000000000000000000000000000000000000		Eaton Moeller® series M22 Key-operated actuator
Product Langh/Daph Naminature Product training Sin millimetre	Part no.	M22S-WS
Product widthBit Inlinet:Product width30 milimet:Doubur wight30 milimet:ComplianceE-Marka diagramComplianceE-Marka diagramComplianceE-Marka diagramComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceE-CompraComplianceMarkan diagramFootuct ToulenceMarkan dia	EAN	4015082168827
Product weight Bit and linetice Complexers D034 kiogram Cartifications U.S. Sin (C.22) No.449 CARTIFICATION CONTRACTION CONTRACT	Product Length/Depth	70 millimetre
Product weight 034 klogram Campionicsis EK Mukud Sissi C22 X0, 14-65 ES Sissi C22 X0, 14-65 ES Sissi C22 X0, 14-65 ES Sissi C22 X0, 14-65 Sissi C22 X0, 14-65 ES CS C22 X0, 14-65 Visiti Gas Mission Participation Parterimos Partecoperate Participation Participation Parterimos Parti	Product height	30 millimetre
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Poduci Fuedocame M2 Poduci Fuedoca	Compliances	CE Marked
Product Type Key-operated actuator Product Sub Type None Catalog Notes Key withdraw convertible with coding adapters M22-XC Beacl color Back Beacl color Back Beacl actor Back Color Back Design Back Fited with: Fited with: Fited with: Key operated Classical Forter Information Key operated Classical Degree of protection (front side) Key operated multiple metanters (fited with supplied equipment. Degree of protection (front side) Key operation Idepand gammater Key operation Operation (fit side) Key operation Idepand gammater Key operation Operation (fit side) Key operation Idepand gammater Key operation Operation (fit side) Key operations) Idepand gammater Key operations) Idepand gammater Key operations) Idepand figurency Key operations) Idepand gammater Key operations) Idepand gammater Key operations) Idepand gammater	Certifications	IEC 60947-5 CSA Std. C22.2 No. 14-05 CSA Std. C22.2 No. 94-91 EN 60947-5 VDE CSA Class No.: 3211-03 CSA IEC/EN 60947 CSA File No.: 012528 IEC/EN 60947-5 CE CSA-C22.2 No. 14-05 VDE 0660 UL File No.: E29184 UL Category Control No.: NKCR CSA-C22.2 No. 94-91 UL LR DNV
Product Sub Type None Catalog Notes Key withdraw convertible with coding adapters MZ2-XC, Not suitable for master key systems Beater Coder Back Beater Coder Back Beater Coder Back Design Fond transfer Key systems Futed with: Back Functions Back Functions Fond transfer Key systems Functions Fond transfer Key systems Functions Fond transfer Key Systems Color Fond transfer Key Systems Functions Fond transfer Key Systems Functions Fond transfer Key Systems Color Fond transfer Key Systems Stare of protection Fond transfer Key Systems Degree of protection (from side) Fond transfer Key Systems Operating frequency Key operation Operating frequency 100 Operations/h Operating frequency Star Operating frequency Star Operating frequency Star Operating frequency Star Star Star Star Star St	Product Tradename	M22
Catalog Notes Key withdraw convertible with coding adapters M22-XC Features & Functions Black Bezel color Black Bezel color Black Color Black Design Black Fitted with: Black Functions Font ring Functions Font ring Bezere of protection (front side) Font virguity spring-return function, can be changed with coding parts M22-XC-W Degree of protection (front side) Font ring Degree of protection (front side) Fond with supplied equipment. Operating frequency 100 Operations/h Operating frequency 20.5 mm Operating frequency 50.5 mm Operating frequency 50.5 mm Size Font diameter: 29.7 mm Operating frequency 61.5 Nm Size Font diameter: 29.7 mm Operating frequency 61.5 Nm Size Font diameter: 29.7 mm Size 61.5 Nm	Product Type	Key-operated actuator
Accessories Issuitable for master key systems Bezel color Black Bezel material Black Color Black Design Black Fitted with: Black Functions Front ring General information Star-put/spring-return function, can be changed with coding parts M22-XC-Y Degree of protection Key coperated Degree of protection (front side) Key included with supplied equipment. Degree of protection (front side) Key included with supplied equipment. Openaing diameter Star-Supplied equipment. Openaing frequency Star-Supplied equipment. Openaing frequency Star-Supplied equipment. Not subter from statical Not supplied equipment. Star-Supplied equipment. Not supplied equipment. Product category Star-Supplied equipment. Star-Supplied equipment. Not supplied equipment. Star-Supplied equipment. Not supplied equipment. Openaing frequency Star-Supplied equipment. Openating frequency Star-Supplied equipment. Star-Supplied equipment. Star-Supplied equipment. Stare	Product Sub Type	None
Bazel color Black Bazel material Plastic Color Black Design Black Design Key operated Futed with: Front ring Functions Front ring Begre of protection (front side) I key included with supplied equipment. Degree of protection (front side) Ple6 Operations 100,000 Operations Operation from action Star- put/spring-return function.call Operation front side) I key included with supplied equipment. Operation front side) I key included with supplied equipment. Operation front side) I key included with supplied equipment. Operation front side) I key included with supplied equipment. Operation front side) I key included with supplied equipment. Operation front side) I key included with supplied equipment. Operation from action I key included with supplied equipment. Operation from action I key include with supplied equipment. Operation from action I key include with supplied equipment. Operation from action I key include with supplied equipmen	Catalog Notes	
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Design Key operated Classical Fited with: Font ing Functions Sup-put/spring-return function, can be changed with coding parts M22-XC-Y Ceneral information Sup-out/spring-return function, can be changed with coding parts M22-XC-Y Accessories 1 key included with supplied equipment. Degree of protection (front side) Kew operated with supplied equipment. Degree of protection (front side) Kew operation Operating frequency Kew operated with supplied equipment. Operating frequency Kew operations Product category Kew operations Sitching angle Kew operated button Type Kew operated button	Bezel material	Plastic
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Functions Say-put/spring-return function, can be changed with coding parts M22-XC-Y General information Say-put/spring-return function, can be changed with coding parts M22-XC-Y Accessories I key included with supplied equipment. Degree of protection NEMA 4X, 13 Degree of protection (front side) 100,000 Operations Lifespan, mechanical 100,000 Operations Operating frequency 60000 Operations/h Operating torque MAD MAD Product category MAD MAD MAD Size Fond diameter: 29.7 mm Fond diameter: 29.7 mm Size Fond diameter: 29.7 mm Aud- ° Product category Operations Evoperated button	Design	
General informationImage: Section is a sectio	Fitted with:	Front ring
AccessoriesI key included with supplied equipment.Degree of protectionKEMA 4X, 13Degree of protection (front side)IP66Lifespan, mechanical2.5 mmOpenating frequency100 Operations/hOperating torque5.5 NmProduct categoryKMQ-TitanSizeSixtching angleTypeI et alOperating frequencyI et alSixtching angleI et alFrequencyI et alSixtching angleI et alSixtching angleI et alI hey included with supplied equipment.I hey included with supplied equip	Functions	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
Degree of protectionNEMA 4X, 13Degree of protection (front side)P66Lifespan, mechanical00,000 OperationsOpening diameter22.5 mmOperating frequency00 Operations/hOperating torque0.5 N·mProduct category646SizeFront diameter: 29.7 mmSwitching angle646Type640State<	General information	
Degree of protection (front side)P66Lifespan, mechanical100,000 OperationsOpening diameter22.5 mmOperating frequency100 Operations/hOperating torque55 N·mProduct category64 CSizeFont diameter: 29.7 mmSwitching angle64 CType64 CStateStateState54 CState54 CState<	Accessories	1 key included with supplied equipment.
Lifespan, mechanical IO,000 Operations Opening diameter 22.5 mm Operating frequency IO0 Operations/h Operating torque IO0 Operations/h Product category IOE Size Front diameter: 29.7 mm Switching angle IOI Operations Type IOE	Degree of protection	NEMA 4X, 13
Operating diameter22.5 mmOperating frequency100 Operations/hOperating torque0.5 N·mProduct category646SizeRMQ-TitanSwitching angle40°Type646Sure diameter: 29.7 mmSure diameter: 20.7 m	Degree of protection (front side)	IP66
Operating frequency IOO Operations/h Operating torque 0.5 N·m Product category RMO-Titan Size Front diameter: 29.7 mm Switching angle 40 ° Type Key-operated button	Lifespan, mechanical	100,000 Operations
Operating torqueImage: Section of the sec	Opening diameter	22.5 mm
Operating torqueImage: Section of the sec	Operating frequency	100 Operations/h
Product category PMQ-Titan Size Front diameter: 29.7 mm Switching angle 40 ° Type Key-operated button		
SizeFont diameter: 29.7 mmSwitching angle40°TypeKey-operated button		RMQ-Titan
Switching angle 40 ° Type Key-operated button		Front diameter: 29.7 mm
Type Key-operated button		

Mounting position	As required
Shock resistance	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
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	Spring-return Key withdrawable in position 0 Momentary
Actuator type	Кеу
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	Кеу	
Suitable for illumination	No	

bur control element our indicator light cap struction type lens	Black Other
struction type lens	Other
	Round
e diameter mm	22.5
th opening mm	0
yht opening mm	0
tching function latching	No
ng-return	Yes
h front ring	Yes
erial front ring	Plastic
bur front ring	Black
ree of protection (IP), front side	IP66
ree of protection (NEMA)	4X, 13