DATASHEET - TM-1-SOND-ERSTBESTELLUNG/E



Non-standard switch, TM, 10 A, flush mounting, 1 contact unit(s), customized version according to form, TM mini rotary switches, ordering for the first time

Part no. Catalog No. TM-1-SOND-ERSTBESTELLUNG/E 208261



Delivery program

Product range			Non-standard switch
Part group reference			ТМ
Notes			customized version according to form
Non-standard order			TM mini rotary switches, ordering for the first time
Degree of Protection			Front IP65
Design			flush mounting
Motor rating AC-23A, 50 - 60 Hz			
400 V	Р	kW	3
Rated uninterrupted current	lu	А	10
Note on rated uninterrupted current $!_{\rm u}$			Rated uninterrupted current \mathbf{I}_{U} is specified for max. cross-section.
Number of contact units		contact unit(s)	1

Design verification as per IEC/EN 61439

Design vermeation as per 120/211 01455			
Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	10
Heat dissipation per pole, current-dependent	P _{vid}	W	0.15
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	50
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			UV resistance only in connection with protective shield.
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.

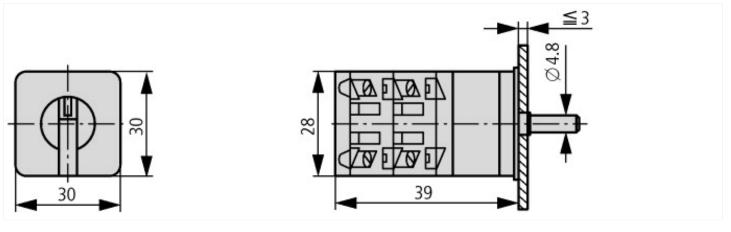
Technical data ETIM 7.0

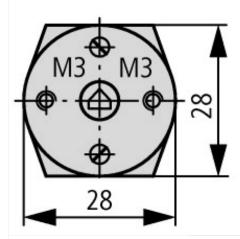
Low-voltage industrial components (EG000017) / Control switch (EC002611)

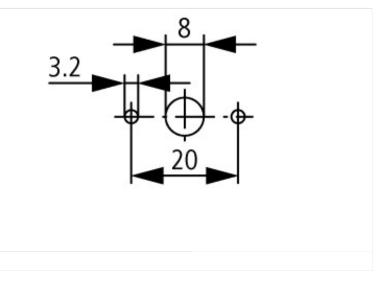
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Control switch (ecl@ss10.0.1-27-37-14-14 [ACN998011])

Number of poles Image: Pole Pole Pole Pole Pole Pole Pole Pole			
Vac V 500 Rated permanent current lu A 10 Number of switch positions V 6 0 With 0 (off) position V 6 0 With 0 (off) position V 6 0 With of position V 6 0 With in number of modular spacings V 0 0 Suitable for ground mounting V V 0 0 Suitable for intermediate mounting V V V V Suitable for intermediate mounting V V No No Complete device in housing V V No No Type of control element V V No No Refer of protection (IP), front side V No No </td <td>Type of switch</td> <td></td> <td></td>	Type of switch		
Rated permanent current lu A 0 Number of switch positions G G With 0 (off) position G G With tetraction in 0-position G G Device construction G G With retraction in 0-position G G Suitable for ground mounting G G Suitable for ground mounting 4-hole G G Suitable for intermediate mounting G F Suitable for intermediate mounting G G Suitable for intermediate mounting G G G Suitable for intermediate mounting G G G Suitable for intermediate mounting G G G G Suitable for intermediate mounting G G G G Suitable for in	Number of poles		0
Number of switch positions Image: Complex Structure of working struc	Max. rated operation voltage Ue AC	V	500
With 0 (off) positionNoWith 0 (off) positionNoWith retraction in 0-positionNoDevice constructionBuilt-in deviceWith in number of modular spacingsOWith for ground mountingNoSuitable for ground mounting 4-holeNoSuitable for front mounting 4-holeNoSuitable for intermediate mountingMoSuitable for intermediate mountingMo <t< td=""><td>Rated permanent current lu</td><td>А</td><td>10</td></t<>	Rated permanent current lu	А	10
With retraction in 0-positionNoDevice constructionBuilt-in deviceWith in number of modular spacings0With in number of modular spacings0Suitable for ground mountingMoSuitable for front mounting 4-holeNoSuitable for distribution board installationNoSuitable for intermediate mountingMoComplete device in housingNoType of control elementToggleFront shield sizeSuitable for intermediate mountingFront shield sizeMoBuilt-indexToggleBuilt-indexSuitable for intermediate mountingFront shield sizeSuitable for intermediate mountingFront shie	Number of switch positions		0
Device constructionBuilt-in deviceWidth in number of modular spacingsC0Suitable for ground mountingNoNoSuitable for front mounting 4-holeSolitable for distribution board installationNoSuitable for distribution board installationSolitable for intermediate mountingNoSuitable for intermediate mountingSolitable for intermediate mountingNoType of control elementSolitable for intermediate mountingSolitable for intermediate mountingFront shield sizeSolitable for intermediate mountingSolitable for intermediate mountingFor intermediate mountingSolitable for intermediate mountingSolitable for intermediate mountingFor intermediate mountingSolitable for intermediate mountingSolitable for intermediate mountingFor intermediate mountingSolitable for intermediate mountingSolitable for intermediate mountin	With 0 (off) position		No
Width in number of modular spacingsPPSuitable for ground mountingPPSuitable for front mounting 4-holeVesSuitable for distribution board installationPNoSuitable for intermediate mountingPNoComplete device in housingPNoType of control elementPNoFront shield sizeSourceSourceDegree of protection (IP), front sidePSourcePPP <td>With retraction in 0-position</td> <td></td> <td>No</td>	With retraction in 0-position		No
Suitable for ground mounting No Suitable for front mounting 4-hole Yes Suitable for distribution board installation No Suitable for intermediate mounting No Suitable for intermediate mounting No Complete device in housing No Type of control element So Front shield size So Degree of protection (IP), front side So	Device construction		Built-in device
Suitable for front mounting 4-hole Yes Suitable for distribution board installation No Suitable for intermediate mounting No Complete device in housing No Type of control element Togle Front shield size Source Degree of protection (IP), front side Image: Source	Width in number of modular spacings		0
Suitable for distribution board installation No Suitable for distribution board installation No Suitable for intermediate mounting No Complete device in housing No Type of control element No Front shield size Source Degree of protection (IP), front side Image: Source	Suitable for ground mounting		No
Suitable for intermediate mounting Mo Complete device in housing Mo Type of control element Toggle Front shield size S0x30 mm Degree of protection (IP), front side IP65	Suitable for front mounting 4-hole		Yes
Complete device in housing No Type of control element Toggle Front shield size 30x30 mm Degree of protection (IP), front side Ie65	Suitable for distribution board installation		No
Type of control element Toggle Front shield size 30x30 mm Degree of protection (IP), front side IP65	Suitable for intermediate mounting		No
Front shield size 30x30 mm Degree of protection (IP), front side IP65	Complete device in housing		No
Degree of protection (IP), front side	Type of control element		Toggle
	Front shield size		30x30 mm
Degree of protection (NEMA), front side Other	Degree of protection (IP), front side		IP65
	Degree of protection (NEMA), front side		Other

Dimensions







Door drilling dimensions

Additional product information (links)

Ordering form for SOND switches and SOND front plates(DE_EN) Ordering form for SOND switches and SOND front plates(DE_EN) $ftp://ftp.moeller.net/DOCUMENTATION/PDF/MZ008005ZU_Orderform_Customized_Switch.pdf$

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