DATASHEET - M22-SOL-PVT45PMPI110



Fireman's switch, PV, 1N/0+1N/C

Part no. M22-SOL-PVT45PMPI110 Catalog No. 150644

Alternate Catalog M22-SOL-PVT45PMPI11Q

EL-Nummer 4300327

(Norway)



Delivery program

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Product range	Accessories
Products	PV off switch
Connection	for switching off the SOL30-SAFETY fireman's switch
Description	Complete device with guard-ring Release by turning
Contacts	
N/O = Normally open	1 N/0
N/C = Normally closed	1 NC
Degree of Protection	IP66, IP67, IP69
Contact sequence	$ \begin{array}{c c} & & & \\ & & & &$

Design verification as per IEC/EN 61439

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	6
Heat dissipation per pole, current-dependent	P _{vid}	W	0.11
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	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			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 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) / Selector switch, complete (EC001029)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Selector switch, complete unit (ecl@ss10.0.1-27-37-12-43 [ACN984011])

Type of control element Suitable for illumination With light source Colour button Hole diameter Width opening Height opening Height opening Switching function latching Spring-return Degree of protection (IP) Degree of protection (NEMA) Supply voltage V V V V V V V V V V V V V	[ACN984011])		
Suitable for illumination With light source Colour button Hole diameter With opening Height opening Mind of Mind Switching function latching Spring-return Degree of protection (IP) Degree of protection (IP) Number of contacts as normally closed contact Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring No	Number of switch positions		2
With light source No Colour button Red Hole diameter mm 22.5 Width opening mm 0 Height opening mm 0 Switching function latching Yes Spring-return No No Degree of protection (IP) IP67/IP69K Degree of protection (NEMA) 4X Supply voltage V 0 - 0 Number of contacts as normally open contact 1 Number of contacts as normally closed contact 1 Number of contacts as change-over contact 0 Type of electric connection Screw connection With front ring Yes	Type of control element		Other
Colour button Red Hole diameter mm 22.5 Width opening mm 0 Height opening mm 0 Switching function latching Yes Spring-return No Degree of protection (IP) IP67/P69K Supply voltage V 0-0 Number of contacts as normally open contact Number of contacts as change-over contact Number of contacts as change-over contact Type of electric connection With front ring W 1 For IV For I	Suitable for illumination		No
Hole diameter Width opening Midth opening M	With light source		No
Width opening mm 0 Height opening mm 0 Switching function latching Spring-return No Degree of protection (IP) Degree of protection (NEMA) Supply voltage V 0 - 0 Number of contacts as normally open contact Number of contacts as change-over contact Number of contacts as change-over contact Number of contacts as change-over contact V 0 - 0 Type of electric connection With front ring Ves	Colour button		Red
Height opening mm 0 Switching function latching Spring-return No Degree of protection (IP) Degree of protection (NEMA) Supply voltage V 0 - 0 Number of contacts as normally closed contact Number of contacts as normally closed contact Number of contacts as change-over contact Number of contacts as change-over contact V 0 Screw connection View for the connection View connection View connection View connection View connection View connection	Hole diameter	mn	22.5
Switching function latching Spring-return No Degree of protection (IP) Degree of protection (NEMA) Supply voltage V 0 - 0 Number of contacts as normally closed contact Number of contacts as change-over contact Number of contacts as change-over contact Type of electric connection With front ring Yes No Degree of Protection (NEMA) AX Supply voltage V 0 - 0 C 0 - 0 Screw connection Yes	Width opening	mn	0
Spring-return Degree of protection (IP) Degree of protection (NEMA) Supply voltage V 0 - 0 Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring No No No No No No No 1 NO NO	Height opening	mn	0
Degree of protection (IP) Degree of protection (NEMA) Supply voltage V 0 - 0 Number of contacts as normally open contact Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring IP67/IP69K 4X 0 - 0 0 - 0 1 - 0 1 - 0 1 - 0 1 - 0 1 - 0 1 - 0 2 - 0 3 - 0 4 - 0 4 - 0 5 - 0 5 - 0 6 - 0 7 -	Switching function latching		Yes
Degree of protection (NEMA) Supply voltage V 0 - 0 Number of contacts as normally open contact 1 Number of contacts as normally closed contact Number of contacts as change-over contact 1 Number of contacts as change-over contact Viiii front ring 4X 0 - 0 1 1 1 1 1 1 1 1 1 1 1 1 1	Spring-return		No
Supply voltage V 0 - 0 Number of contacts as normally open contact Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring V 0 - 0 1 Contacts as normally closed contact 1 Contacts as change-over contact Contacts as normally closed contact Contact	Degree of protection (IP)		IP67/IP69K
Number of contacts as normally open contact 1 Number of contacts as normally closed contact 1 Number of contacts as change-over contact 0 Type of electric connection With front ring Yes	Degree of protection (NEMA)		4X
Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring 1 Contacts as normally closed contact 0 Screw connection Yes	Supply voltage	V	0 - 0
Number of contacts as change-over contact Type of electric connection With front ring O Screw connection Yes	Number of contacts as normally open contact		1
Type of electric connection Screw connection With front ring Yes	Number of contacts as normally closed contact		1
With front ring Yes	Number of contacts as change-over contact		0
	Type of electric connection		Screw connection
Material front ring Plastic	With front ring		Yes
	Material front ring		Plastic
Colour front ring Other	Colour front ring		Other

Dimensions

