

Position switch, 2 N/C, wide, IP65_x, angled roller lever

Powering Business Worldwide*

Part no. ATO-02-1-IA/AR
Article no. 005222
Catalog No. ATO-02-1-IA-AR

Design verification as per IEC/EN 61439

Design vernication as per icc/civ 01459			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	6
Heat dissipation per pole, current-dependent	P _{vid}	W	0.13
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
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 6.0

Sensors (EG000026) / End switch (EC000030)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Position switch (Type 1) (ecl@ss8.1-27-27-06-01 [AGZ382012])

[AU2302012])		
Width sensor	mm	51
Diameter sensor	mm	0
Height of sensor	mm	51
Length of sensor	mm	0
Rated operation current le at AC-15, 24 V	Α	10
Rated operation current le at AC-15, 125 V	Α	0
Rated operation current le at AC-15, 230 V	Α	6
Rated operation current le at DC-13, 24 V	A	10
Rated operation current le at DC-13, 125 V	А	1

Switching function Slow-action switch Output electronic No Forced opening Yes Number of safety auxiliary contacts 1 Number of contacts as normally closed contact 2 Number of contacts as normally open contact 0 Number of contacts as change-over contact 0 Type of interface None Type of interface for safety communication None Housing according to norm Cuboid Construction type housing Cuboid Material housing Plastic Coating housing Square roller lever Type of control element Square roller lever Alignment of the control element Square roller lever Type of electric connection No With status indication Yes Suitable for safety functions No Explosion safety category for gas None Explosion safety category for dust None Ambient temperature during operating *C *25-70				
Output electronic No Forced opening Yes Number of safety auxiliary contacts 1 Number of contacts as normally closed contact 2 Number of contacts as normally open contact 0 Number of contacts as change-over contact 0 Type of interface None Type of interface for safety communication None Housing according to norm Cuboid Construction type housing Cuboid Material housing Plastic Coating housing Square roller lever Alignment of the control element Square roller lever Alignment of the control element Square roller lever With status indication No Suitable for safety functions Yes Explosion safety category for gas None Explosion safety category for dust None Ambient temperature during operating *C -25-70	Rated operation current le at DC-13, 230 V	А	(0.5
Forced opening Number of safety auxiliary contacts Number of safety auxiliary contacts Number of contacts as normally closed contact Number of contacts as normally open contact Number of contacts as change-over contact Number of contacts as change-over contact Type of interface None Type of interface None Type of interface for safety communication None Construction type housing Naterial housing Coating housing Type of control element Alignment of the control element Type of electric connection With status indication No Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating Yes Yes Yes None Yes Andient temperature during operating	Switching function			Slow-action switch
Number of safety auxiliary contacts Number of contacts as normally closed contact Number of contacts as normally open contact Number of contacts as normally open contact Number of contacts as change-over contact One Type of interface None Type of interface for safety communication None Housing according to norm Construction type housing Material housing Coating housing Coating housing Coating housing Coating housing Coating the control element Type of element Alignment of the control element Type of electric connection With status indication Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating "C c -25 -70	Output electronic		I	No
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Construction type housing Material housing Coating housing Plastic Square coller lever Square roller lever	Type of interface for safety communication		ı	None
Material housing Coating housing Type of control element Alignment of the control element Type of electric connection With status indication Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating Plastic Plastic Plastic Plastic Plastic No Square roller lever	Housing according to norm		-	-
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Type of control element Alignment of the control element Type of electric connection With status indication Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating Square roller lever - No No No No Yes None Andient temperature during operating CC -25 - 70	Material housing			Plastic
Alignment of the control element Type of electric connection With status indication Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating No No No Yes None No 2	Coating housing		-	-
Type of electric connection With status indication No Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating C -25 - 70	Type of control element		:	Square roller lever
With status indication No Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating No None C -25 - 70	Alignment of the control element		-	-
Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating Yes None None -25 - 70	Type of electric connection		-	-
Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating None CC -25 - 70	With status indication		I	No
Explosion safety category for dust Ambient temperature during operating °C -25 - 70	Suitable for safety functions		,	Yes
Ambient temperature during operating °C -25 - 70	Explosion safety category for gas		I	None
3,773	Explosion safety category for dust			None
Degree of protection (IP)	Ambient temperature during operating	°C	; -	-25 - 70
	Degree of protection (IP)			IP65