

Position switch, 1N/0+1N/C, wide, IP65\_x, angled roller lever



AT0-11-S-IA/AR 021832 AT0-11-S-IA-AR



## **Technical data**

General			
Standards			IEC/EN 60947
Climatic proofing			Damp heat, constant, to IEC 60068-2-78; damp heat, cyclical, to IEC 60068-2-30
Ambient temperature		°C	-25 - +70
Mounting position			As required
Degree of Protection			IP65
Terminal capacities		mm <sup>2</sup>	
Solid		mm <sup>2</sup>	1 x (0.75 - 2.5) 2 x (0.75 - 1.5)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.5 - 1.5) 2 x (0.5 - 1.5)
Contacts/switching capacity			
Rated impulse withstand voltage	U <sub>imp</sub>	V AC	6000
Rated insulation voltage	Ui	V	500
Overvoltage category/pollution degree			111/3
Rated operational current	I <sub>e</sub>	А	
AC-15			
24 V	I <sub>e</sub>	А	10
220 V 230 V 240 V	le	Α	6
380 V 400 V 415 V	I <sub>e</sub>	А	4
DC-13			
24 V	le	А	10
110 V	I <sub>e</sub>	A	1
220 V	I <sub>e</sub>	А	0.5
Supply frequency		Hz	max. 400
Short-circuit rating to IEC/EN 60947-5-1			
max. fuse		A gG/gL	6
Repetition accuracy		mm	0.02
Mechanical variables			
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	20
Contact temperature of roller head		°C	≦ <sub>100</sub>
Mechanical shock resistance (half-sinusoidal shock, 20 ms)			
Standard-action contact		g	25
Snap-action contact		g	2
Operating frequency	Operations/h		≦ <sub>6000</sub>
Actuation			
Mechanical			
Actuating force at beginning/end of stroke		Ν	1.0/8.0
Actuating torque of rotary drives		Nm	0.2
Max. operating speed with DIN cam		m/s	1
Notes			for angle of actuation $\alpha=30^\circ/45^\circ$

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	6
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0.13

Static heat dissipation, non-current dependent         Pres         W         0           Heat dissipation, non-current dependent         Prise         W         0           Operating ambient temperature min.         C         25           Operating ambient temperature max.         C         25           ID2.5 trength dissipation distribute materials and parts         C         70           ID2.5 trength of materials and parts         C         70           ID2.5 Verification of metrial stability of enclosures         C         Meets the product standard's requirements.           ID2.5 Verification of resistance of insulating materials to normal heat         Meets the product standard's requirements.           ID2.5 Verification of resistance of insulating materials to abnormal heat         Meets the product standard's requirements.           ID2.5 Lingth         Meets the product standard's requirements.         Meets the product standard's requirements.           ID2.5 Lingth         Dees not apply, since the entire switchgear needs to be evaluated.         Dees not apply, since the entire switchgear needs to be evaluated.           ID2.5 Lingth         Dees not apply, since the entire switchgear needs to be evaluated.         Dees not apply, since the entire switchgear needs to be evaluated.           ID3.6 Dericotion of assisting antiences         Meets the product standard's requirements.         Dees not apply, since the entire switchgear needs to	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
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10.13 Mechanical function     observed.	10.11 Short-circuit rating			
	10.12 Electromagnetic compatibility			
	10.13 Mechanical function			

## **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])

[/(02002012])		
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	А	10
Rated operation current le at AC-15, 125 V	А	0
Rated operation current le at AC-15, 230 V	А	6
Rated operation current le at DC-13, 24 V	А	10
Rated operation current le at DC-13, 125 V	А	1
Rated operation current le at DC-13, 230 V	А	0.5
Switching function		Quick-break switch
Output electronic		No
Forced opening		Yes
Number of safety auxiliary contacts		1
Number of contacts as normally closed contact		1
Number of contacts as normally open contact		1
Number of contacts as change-over contact		0
Type of interface		None

Type of interface for safety communication		None
Housing according to norm		
Construction type housing		Cuboid
Material housing		Plastic
Coating housing		
Type of control element		Square roller lever
Alignment of the control element		
Type of electric connection		
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
Degree of protection (IP)		IP65