

Part no. Article no.

Catalog No.

### Position switch, 1N/O+1N/C, wide, IP65\_x

AT0-11-1-IA 007606 AT0-11-1-IA



### Technical data General

Conordi		
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		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 canacity		

#### **Contacts/switching capacity**

Contacto, overtoning capacity			
Rated impulse withstand voltage	$U_{\text{imp}}$	V AC	6000
Rated insulation voltage	Ui	V	500
Overvoltage category/pollution degree			III/3
Rated operational current	l <sub>e</sub>	Α	
AC-15			
24 V	l <sub>e</sub>	Α	10
220 V 230 V 240 V	I <sub>e</sub>	Α	6
380 V 400 V 415 V	I <sub>e</sub>	Α	4
DC-13			
24 V	I <sub>e</sub>	Α	10
110 V	I <sub>e</sub>	Α	1
220 V	I <sub>e</sub>	Α	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
Notes			(If approached from the side: 6)
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	N		1.0/8.0
Actuating torque of rotary drives	Nm	n	0.2
Max. operating speed with DIN cam	m/s	's	1/0.5
Notes			for angle of actuation $\alpha = 0^{\circ}/30^{\circ}$

## **Design verification as per IEC/EN 61439**

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	6
Heat dissipation per pole, current-dependent	$P_{\text{vid}}$	W	0.13
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0

Heat dissipation capacity  Operating ambient temperature min.  Operating ambient temperature max.  IEC/EN 61439 design verification  10.2 Strength of materials and parts  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.5 Lifting  10.2.5 Mechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9 Power-frequency electric strength  10.9 Insulation properties  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  V							
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10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear nobserved.	sponsibil	er's responsit	sibility. The s	specificat	tions for t	he switchge	ear must be
10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear nobserved.	sponsibil	er's responsit	sibility. The s	specificat	tions for tl	he switchge	ear must be
10.13 Mechanical function  The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	quireme		ements, prov	ovided the i	informatio	on in the ins	truction

# **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])

[AUZ302012])		
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	А	0
Rated operation current le at AC-15, 230 V	Α	6
Rated operation current le  at DC-13, 24 V	Α	10
Rated operation current le  at DC-13, 125 V	А	1
Rated operation current le  at DC-13, 230 V	Α	0.5
Switching function		Slow-action switch
Output electronic		No
Forced opening		No
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		Plunger
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