



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

Part no. **AT0-11-1-IA/R**  
 Catalog No. **043188**

## Delivery program

Basic function		Position switches Safety position switches
Part group reference		AT0
Product range		Rotary lever
Degree of Protection		IP65
Features		Complete unit
Ambient temperature	°C	-25 - +70
Design		EN 50047 Form A
Approval		<b>totally insulated</b>
<b>Contacts</b>		
N/O = Normally open		1 N/O
N/C = Normally closed		1 NC
Notes		= safety function, by positive opening to IEC/EN 60947-5-1
Contact sequence		
Contact travel  = Contact closed  = Contact open		 0° 22° 41° 54° ZW = 37°
Positive opening (ZW)		yes
<b>Colour</b>		
Enclosure covers		Grey
Enclosure covers		
Housing		Insulated material
Connection type		Screw terminal
<b>Notes</b> The operating head can be rotated at 90° intervals to adapt to the specified approach direction. For degree of protection IP65, use V-M20 (206910) cable glands with connecting thread of max. 9 mm length.		

## Technical data

<b>General</b>		
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)
Repetition accuracy		mm	0.02
<b>Contacts/switching capacity</b>			
Rated impulse withstand voltage	U <sub>imp</sub>	V AC	6000
Rated insulation voltage	U <sub>i</sub>	V	500
Overvoltage category/pollution degree			III/3
Rated operational current	I <sub>e</sub>	A	
AC-15			
24 V	I <sub>e</sub>	A	10
220 V 230 V 240 V	I <sub>e</sub>	A	6
380 V 400 V 415 V	I <sub>e</sub>	A	4
DC-13			
24 V	I <sub>e</sub>	A	10
110 V	I <sub>e</sub>	A	1
220 V	I <sub>e</sub>	A	0.5
Supply frequency		Hz	max. 400
Short-circuit rating to IEC/EN 60947-5-1			
max. fuse		A gG/gL	6

### Mechanical variables

Lifespan, mechanical	Operations	x 10 <sup>6</sup>	20
Contact temperature of roller head		°C	≤ 100
Mechanical shock resistance (half-sinusoidal shock, 20 ms)			
Standard-action contact		g	25
Snap-action contact		g	2
Operating frequency	Operations/h		≤ 6000

### Actuation

Mechanical			
Actuating force at beginning/end of stroke		N	8.0/20.0
Actuating torque of rotary drives		Nm	0.2
Max. operating speed with DIN cam		m/s	1.5
<b>Notes</b>			for angle of actuation α = 30°

## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70

## Technical data ETIM 5.0

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@ss8-27-27-06-01 [AGZ382011])			
Width sensor		mm	51
Diameter sensor		mm	0
Height of sensor		mm	51
Length of sensor		mm	0
Rated operation current I <sub>e</sub> at AC-15, 24 V		A	10
Rated operation current I <sub>e</sub> at AC-15, 125 V		A	0
Rated operation current I <sub>e</sub> at AC-15, 230 V		A	6
Rated operation current I <sub>e</sub> at DC-13, 24 V		A	10
Rated operation current I <sub>e</sub> at DC-13, 125 V		A	1
Rated operation current I <sub>e</sub> at DC-13, 230 V		A	0.5
Switching function			Slow-action 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			Rotary lever
Alignment of the control element			-
Type of electric connection			-
With status indication			No
Suited 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