

Position switch, 1N/O+1N/C, wide, IP65_x, electrode wheel head

Powering Business Worldwide*

Part no. ATR-11-S-IA/ARG
Article no. 034858
Catalog No. ATR-11-S-IA-ARG

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^2	
Solid	mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 1.5)
Flexible with ferrule	mm ²	1 x (0.5 - 1.5) 2 x (0.5 - 1.5)
Contacto/queitobing conceity		

Contacts/switching capacity

Rated impulse withstand voltage	U_{imp}	V AC	6000
Rated insulation voltage	Ui	V	500
Overvoltage category/pollution degree			III/3
Rated operational current	I _e	Α	
AC-15			
24 V	I _e	Α	10
220 V 230 V 240 V	l _e	Α	6
380 V 400 V 415 V	le	Α	4
DC-13			
24 V	I _e	Α	3
110 V	I _e	Α	1
220 V	I _e	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 ⁶	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	1.0/8.0
Max. operating speed with DIN cam	m/s	1.5/1
Notes		for angle of actuation $\alpha=30^{\circ}/\beta=45^{\circ}$

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 _{vid}	W	0.13
Equipment heat dissipation, current-dependent	P _{vid}	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])

[/ (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	0
Rated operation current le at AC-15, 125 V	Α	0
Rated operation current le at AC-15, 230 V	Α	0
Rated operation current le at DC-13, 24 V	Α	0
Rated operation current le at DC-13, 125 V	А	0
Rated operation current le at DC-13, 230 V	Α	0
Switching function		Quick-break switch
Output electronic		No
Forced opening		Yes
Number of safety auxiliary contacts		0
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