DATASHEET - AT0-11-2-IA/H

Position switch, 1early N/O+1late N/C, wide, IP65_x, actuating rod



Part no.AT0-11-2-IA/HCatalog No.081156Alternate CatalogAT0-11-2-IA-HNo.No.



Delivery program

bonnony program	
Degree of Protection	IP65
Contacts	
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	$-\frac{127}{28}$ $\frac{15}{16}$
Contact travel = Contact closed = Contact open	$ \begin{array}{c} 17-18 \\ 25-26 \\ 0^{\circ} \\ Zw = 44^{\circ} \end{array} \begin{array}{c} 0^{\circ} \\ zw = 44^{\circ} \end{array} $
Housing	Wide version

Technical data

matic proofingMarkMarkDamp heat, constant, to IEC 60068-2-78; damp heat, cyclical, to IEC 6006solid <th>General</th> <th></th> <th></th> <th></th>	General			
souting position A required igree of Protection is of isolation initial capacities mat solid mat solid mat febibiouth ferrule mat petition accuracy mat initial capacities mat initial capacities mat petition accuracy mat initial capacities mat initinities mat <tr< td=""><td>Standards</td><td></td><td></td><td>IEC/EN 60947</td></tr<>	Standards			IEC/EN 60947
gene of ProtectionFeereminal capacitiesreminalsolidreminalsolidreminalrewinal capacitiesreminalsolidreminalrewinal capacitiesreminalrewinal capacitiesreminal<	Climatic proofing			Damp heat, constant, to IEC 60068-2-78; damp heat, cyclical, to IEC 60068-2-30
mmail capacitiesmm2Solidmm2Solidmm2Fexible with ferrulemm2Fexible with ferrulemm2pettion accuracymm2pettion accuracymm2total insultation voltageVamperted impulse withstand voltageVamper <td>Mounting position</td> <td></td> <td></td> <td>As required</td>	Mounting position			As required
Solidmm $1 \times 0.75 + 2.5$ $2 \times (0.75 + 1.5)$ $2 \times $	Degree of Protection			IP65
FieldInitial 2 $\times (0.75 - 1.5)$ Flexible with ferrulemm² $x^2(0.57 - 1.5)$ pettion accuracymm² $x^2(0.57 - 1.5)$ pettion accuracymm² $x^2(0.57 - 1.5)$ pettion accuracymm² $x^2(0.57 - 1.5)$ ntacts/switching capacitymm² $x^2(0.57 - 1.5)$ ted insulation voltageUmpVAC600ted insulation voltageImpVAC600ted insulation voltageImpMain600ted insulation voltageImpImp600<	Terminal capacities		mm ²	
Image 2x (0.5 - 1.5) petition accuracy mm 0.2 Intacts/switching capacity Itel impuse withstand voltage Vimp V AC 6000 ted impuse withstand voltage Vimp Vimp Vimp 6000 ted impuse withstand voltage Vimp Vimp Vimp Fill AC-15 Ted impuse withstand voltage 20 V 230 V 240 V Ie AC Ge 20 V 230 V 240 V Ie AC Ge Impute ted impuse with volspane DC-13 Impute ted impute t	Solid		mm ²	
Naces Vimp VAC 6000 ted insulation voltage Ui Vac 500 ted insulation voltage Ie Ac Ac AC-15 Image Ac Image Image 24 V Ie Ac Image Im	Flexible with ferrule		mm ²	
Here Ump VAC 600 tel insulation voltage Via Via 500 tel insulation voltage Via Via 500 tel insulation voltage Via Acrossing Via Fead Acrossing Via Acrossing Fead Fe	Repetition accuracy		mm	0.02
tet in voltage Ui V 500 tet operational current Ie Actor Ie Ie 24 V Ie Ie Ie Ie 220 V 230 V 240 V Ie Actor Ie 380 V 400 V 415 V Ie Ie Ie 24 V Ie Actor Ie 380 V 400 V 415 V Ie Actor Ie 24 V Ie Actor Ie	Contacts/switching capacity			
tel operational current Image: Particular state Particular state AC-15 Image: Particular state 24 V Image: Particular state 20 V 230 V 240 V Image: Particular state 380 V 400 V 415 V Image: Particular state DC-13 Image: Particular state 24 V Image: Particular state	Rated impulse withstand voltage	U _{imp}	V AC	6000
AC-15 M M M 24 V Ie A 0 20 V 230 V 240 V Ie A 6 380 V 400 V 415 V Ie A 4 DC-13 Ie A 1	Rated insulation voltage	Ui	V	500
24 V I 20 V 230 V 240 V I 380 V 400 V 415 V I 24 V I 24 V I 24 V I 10 I 10 I	Rated operational current	le	А	
220 V 230 V 240 V Ie A 6 380 V 400 V 415 V Ie A 4 DC-13 Ie Ie A 24 V Ie A 10	AC-15			
380 V 400 V 415 V Ie A DC-13 Ie A 24 V Ie A	24 V	le	А	10
DC-13 Ie A 10	220 V 230 V 240 V	I _e	А	6
24 V Ie A 10	380 V 400 V 415 V	I _e	А	4
	DC-13			
110 V I _e A 1	24 V	le	А	10
	110 V	le	А	1

220 V	le	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			
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 torque of rotary drives		Nm	0.2
Max. operating speed with DIN cam		m/s	1.5
Notes			L = 130 mm

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	l _n	А	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
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
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 7.0

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@ss10.0.1-27-27-06-01 [AGZ382015])

(ecl@ss10.0.1-27-27-06-01 [AGZ382015])		
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	Α	6
Rated operation current le at DC-13, 24 V	А	10
Rated operation current le at DC-13, 125 V	Α	1
Rated operation current le at DC-13, 230 V	Α	0.5
Switching function		Slow-action switch
Switching function latching		No
Output electronic		No
Forced opening		No
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
Construction type housing		Cuboid
Material housing		Plastic
Coating housing		Other
Type of control element		Actuating rod
Alignment of the control element		Other
Type of electric connection		Other
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
Degree of protection (NEMA)		Other

Assets (links)

Declaration of CE Conformity 00002834 Instruction Leaflets IL05208013Z2018_06