DATASHEET - ATB11-S



Switch mechanism, 1N/0+1N/C, snap-action contacts, for ATB

Powering Business Worldwide*

Part no. ATB11-S
Catalog No. 074060
Eaton Catalog No. ATB11-S
EL-Nummer 0004355973
(Norway)

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Basic function Components Part group reference AT4 Product range Switch mechanisms Description For flush mounting in insulated enclosure For use with I-AT4 I I I I I I I I I I I I I I I I I I I	Dontoly program	
Product range Description For use with Snap-action contact Contacts N/O = Normally open Notes Contact sequence Contact sequence Contact travel = Contact closed = Contact open Switch mechanisms For flush mounting in insulated enclosure I-AT4 IA-AT4 Yes 1 N/O 1 N/O 1 N/O 1 N/O ■ = safety function, by positive opening to IEC/EN 60947-5-1 1 13	Basic function	Components
Description For use with For use with For use with Snap-action contact Yes Contacts N/O = Normally open N/C = Normally closed Notes Contact sequence Tontact sequence Contact travel = Contact closed = Contact open 13-14 21 13-14 22 Contact travel = Contact closed = Contact open	Part group reference	AT4
For use with Snap-action contact Contacts N/O = Normally open N/C = Normally closed Notes Contact sequence Contact sequence Contact travel = Contact closed = Contact open 1 -AT4 IA-AT4 Yes 1 N/O 1 N/O 1 N/C = safety function, by positive opening to IEC/EN 60947-5-1 Contact travel = Contact closed = Contact open 13-14 21-20 13-14 21-20 16-3.0 2w = 4.5 mm	Product range	Switch mechanisms
Snap-action contact Contacts N/O = Normally open N/C = Normally closed Notes Contact sequence 1 NC ⊕ = safety function, by positive opening to IEC/EN 60947-5-1 Contact trave = Contact closed = Contact open 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 13-14 21-22 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 21-24 2	Description	For flush mounting in insulated enclosure
Contacts N/O = Normally open N/C = Normally closed Notes Ontact sequence 1 NC ⊕ = safety function, by positive opening to IEC/EN 60947-5-1 Contact sequence 13-14 22 Contact travel = Contact closed = Contact open	For use with	
N/O = Normally open N/C = Normally closed Notes Notes □ = safety function, by positive opening to IEC/EN 60947-5-1 Contact sequence □ 13	Snap-action contact	Yes
Notes Notes Solution Notes Solution Notes N	Contacts	
Notes Notes = safety function, by positive opening to IEC/EN 60947-5-1 Contact sequence 13	N/O = Normally open	1 N/O
Contact sequence 13	N/C = Normally closed	1 NC →
Contact travel = Contact closed = Contact open	Notes	= safety function, by positive opening to IEC/EN 60947-5-1
21-22 13-14 21-22 0 1.6 3.0 6 mm Zw = 4.5 mm	Contact sequence	<u></u>
Positive opening (ZW) yes	Contact travel = Contact closed = Contact open	21-22 13-14 21-22 0 1.6 3.0 6 mm
	Positive opening (ZW)	yes

Design verification as per IEC/EN 61439

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	0.1
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 b 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) / Accessories for position switches (EC002594)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Position switch (accessories) (ecl@ss10.0.1-27-27-06-92 [AFR520003])

Type of accessory Switch element

Additional product information (links)

IL05208012Z (AWA1310-0544) Position switch

IL05208012Z (AWA1310-0544) Position switch ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05208012Z2018_06.pdf