DATASHEET - HI21-P5-125/160E



Auxiliary contact, 2N/O+1N/C, for P5, 125A, flush mounting

Part no.	**HI21-P5-125/160E**
Catalog No.	**280963**
EL-Nummer (Norway)	**1417191**

Powering Business Worldwide™

Delivery program

Product range			Accessories
Basic function			Auxiliary contact
Part group reference			P5
			Late-break switching-on behavior, early-make switching-off behavior The 23/24 or. 53/54 N/O is always connected as a load-shedding contact. For left or right side mounting
Contacts			
N/O = Normally open			2 N/O
N/C = Normally closed			1 NC
For use with			P5-125(160)/E(EA)
For use with			P5-125, P5-160, Flush mounting
Rated uninterrupted current	I_u	A	10

Technical data

Auxiliary contacts

Standards			Control circuit isolator to IEC/EN 60947-5
Rated insulation voltage	U_i	V AC	
Rated insulation voltage	U_i	V AC	500
Rated uninterrupted current	I_u	A	
Rated uninterrupted current	I_u	A	10
Rated operational current	I_e	A	
AC-15			
230 V	I_e	A	
AC-15 with 230 V	I_e	A	6
400 V/415 V	I_e	A	
380 V 415 V	I_e	A	3
DC-13	I_e		
125 V	I_e	A	0.23
250 V	I_e	A	0.1
Short-circuit rating			
Maximum fuse		A gG/gL	10
Terminal capacities		mm^2	
Solid		mm^2	0.5 - 2.5
Flexible with ferrules to DIN 46228		mm^2	0.5 - 2.5
Stripping length		mm	8
Tightening torque		Nm	0.8
Control circuit reliability at 24 V DC, 10 mA	Fault probability	H_F	< 10-5, < 1 failure in 100000 operations

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	6
Heat dissipation per pole, current-dependent	P_{vid}	W	0.11
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	50
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

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss10.0.1-27-37-13-02 [AKN342013])			
Number of contacts as change-over contact			0
Number of contacts as normally open contact			2
Number of contacts as normally closed contact			1
Number of fault-signal switches			0
Rated operation current Ie at AC-15, 230 V		A	6
Type of electric connection			Screw connection
Model			Top mounting
Mounting method			Side mounting
Lamp holder			Other

Approvals

Product Standards			UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-5; CE marking
UL File No.			E36332
UL Category Control No.			NLRV, NLRV7
CSA File No.			223805
CSA Class No.			3211-03
North America Certification			Request filed for UL, CSA certified

Additional product information (links)

Technical overview cam switch, switch-disconnector	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2

System overview cam switch T	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4
System overview switch-disconnector P	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.6
Key to part numbers Cam switch	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8
Key to part numbers Switch-disconnector	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8
Switches for ATEX	http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html

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