

Specifications



Photo is representative

Eaton 280964

Eaton Moeller® series P5 Auxiliary contact, 2N/O+1N/C, for P5, 125A, rear mounting

General specifications

PRODUCT NAME	Eaton Moeller® series P5 Accessory Auxiliary contact
CATALOG NUMBER	280964
MODEL CODE	HI21-P5-125/160Z
EAN	4015082809645
PRODUCT LENGTH/DEPTH	50 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	130 mm
PRODUCT WEIGHT	0.045 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	EN 60947-5 CSA Std. C22.2 No. 14-05 UL 508 IEC 60947-5 CSA File No.: 223805 CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL Category Control No.: NLRV, NLRV7 UL File No.: E36332 CSA CE CSA Class No.: 3211-03

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	50 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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Contacts

CONTROL CIRCUIT RELIABILITY	1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)
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NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
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NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
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NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
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Design verification

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.
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 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. 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	Does not apply, since the

Electrical rating

RATED INSULATION VOLTAGE (UI)	500 V
RATED OPERATIONAL CURRENT (IE)	0.1 A at DC-13, 250 V
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	3 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 125 V	0.23 A
RATED UNINTERRUPTED CURRENT (IU)	10 A

AGAINST ELECTRIC SHOCK	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.
10.9.2 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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.11 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Features & functions

ELECTRIC CONNECTION TYPE	Screw connection
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Short-circuit rating

SHORT-CIRCUIT PROTECTION RATING	Max. 10 A gG/gL, Fuse, Auxiliary contacts
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General information

CONNECTION TYPE	Screw connection
MODEL	Top mounting
MOUNTING METHOD	Side mounting
MOUNTING POSITION	Left side Right side
PRODUCT CATEGORY	Accessories
TYPE	Auxiliary contact
USED WITH	P5-125(160)/Z(V)

Terminal capacities

STRIPPING LENGTH (MAIN CABLE)	8 mm
TERMINAL CAPACITY	0.5 - 2.5 mm², ferrules to

(FLEXIBLE WITH FERRULE)	DIN 46228
TERMINAL CAPACITY (SOLID)	0.5 - 2.5 mm ²
TIGHTENING TORQUE	0.8 Nm, Screw terminals

Resources

BROCHURES	Brochure - T Rotary Cam switch and P Switch-disconnector
CATALOGUES	P Switch-disconnectors and T Rotary cam switches catalogue CA042001EN
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251202en.pdf eaton-accessory-declaration-of-conformity-eu250719en.pdf
DRAWINGS	eaton-rotary-switches-contact-p5-auxiliary-contact-3d-drawing.eps
ECAD MODEL	ETN.HI21-P5-125_160Z
INSTALLATION INSTRUCTIONS	IL03802009Z2021_08.pdf
INSTALLATION VIDEOS	Eaton's P Switch-disconnectors used in a factory
MCAD MODEL	eaton-contact-blocks-mcad-drawings-hi21-p5-125-160-z.dwg hi21_p5_125_160_z.stp

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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