Specifications



Eaton 064805

Eaton Moeller® series Neutral conductor, switched neutral

General specifications	
PRODUCT NAME	Eaton Moeller® series P3 Neutral pole
CATALOG NUMBER	064805
MODEL CODE	N-P3Z
EAN	4015080648055
PRODUCT LENGTH/DEPTH	40.5 mm
PRODUCT HEIGHT	82.2 mm
PRODUCT WIDTH	18 mm
PRODUCT WEIGHT	0.07 kg
CERTIFICATIONS	CSA File No.: 012528 UL CSA-C22.2 No. 14-05 CSA Class No.: 3211-05 IEC/EN 60947-3 CE CSA UL 508 UL Category Control No.: NLRV CSA-C22.2 No. 94 UL File No.: E36332

General

ACCESSORY/SPARE PART TYPE	Neutral terminal
MOUNTING POSITION	Right side Left side
TYPE	• Neutral conductor • Switchable neutral conductor

Climatic environmental conditions

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

Terminal capacities

STRIPPING LENGTH (MAIN CABLE)	13.5 mm

Electrical rating

RATED OPERATIONAL CURRENT (IE) - MAX	90 A

Design verification

HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	7.5 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	100 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
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 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.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.

Resources

BROCHURES	Brochure - T Rotary Cam switch and P Switch-disconnector
CATALOGUES	P Switch-disconnectors and T Rotary cam switches catalogue CA042001EN
DRAWINGS	eaton-rotary-switches-component-accessory-dimensions-002.eps eaton-rotary-switches-accessory-3d-drawing-002.eps
ECAD MODEL	DA-CE-ETN.N-P3Z
INSTALLATION INSTRUCTIONS	eaton-switch-disconnector-p3-rear-mounting-il03802005z.pdf
INSTALLATION VIDEOS	Eaton's P Switch-disconnectors used in a factory
MCAD MODEL	eaton-accessories-mcad-drawings-115-126-01-02.dwg DA-CS-64805

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.

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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