

Specifications

Eaton 278495

Eaton Moeller® series PKZ01 Auxiliary contact, operates as an early-make contact, 2N/O early



General specifications

PRODUCT NAME	Eaton Moeller® series PKZ01 Accessory Auxiliary contact
CATALOG NUMBER	278495
MODEL CODE	VHI20-PKZ01
EAN	4015082784959
PRODUCT LENGTH/DEPTH	28 mm
PRODUCT HEIGHT	40 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.021 kg
CERTIFICATIONS	IEC/EN 60947-4-1 CE UL Category Control No.: NLRV CSA Class No.: 3211-05 CSA CSA File No.: 165628 UL File No.: E36332 CSA-C22.2 No. 14 UL UL 508
CATALOG NOTES	For the premature voltage application of the U- release, e.g. in EMERGENCY STOP circuits according to EN 60204.

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	55 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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Contacts

NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
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NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
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NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
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Design verification

**RATED OPERATIONAL
CURRENT FOR SPECIFIED
HEAT DISSIPATION (IN)** 1 A

**STATIC HEAT
DISSIPATION, NON-
CURRENT-DEPENDENT
PVS** 0 W

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

Electrical rating

**RATED OPERATIONAL
CURRENT (IE) AT AC-15,
220 V, 230 V, 240 V** 1 A

**RATED OPERATIONAL
CURRENT (IE) AT DC-13,
24 V** 2 A

**RATED OPERATIONAL
VOLTAGE (UE) AT AC -
MAX** 440 V

**RATED OPERATIONAL
VOLTAGE (UE) AT DC -
MAX** 250 V

SAFE ISOLATION 440 V, Between auxiliary contacts and main contacts, According to EN 61140

**SHORT-CIRCUIT
PROTECTION RATING
WITHOUT WELDING** 10 A gG/gL, Fuse, Auxiliary contacts

	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.
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	0.03 W

General information

ELECTRIC CONNECTION TYPE	Screw connection
LIFESPAN, ELECTRICAL	50,000 Operations
LIFESPAN, MECHANICAL	50,000 operations
MODEL	Top mounting
MOUNTING METHOD	Front fastening
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	Accessories
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V AC
USED WITH	Motor protective circuit-breaker

Terminal capacities

TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	0.75 - 1.5 mm ²
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 16

Switching capacity

SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	0.5 A, 300 V AC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	E150, AC operated (UL/CSA)

Resources

BROCHURES	eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf
	eaton-push-in-technology-product-overview-brochure-br034012-en-us.pdf
CATALOGUES	Product Range Catalog Switching and protecting motors eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251154en.pdf eaton-accessory-declaration-of-conformity-eu250671en.pdf
DRAWINGS	eaton-manual-motor-starters-pkz-dimensions-002.eps eaton-manual-motor-starters-auxiliary-contact-pkz01-3d-drawing.eps
ECAD MODEL	DA-CE-ETN.VHI20-PKZ01
INSTALLATION INSTRUCTIONS	IL03402004Z

INSTALLATION VIDEOS	WIN-WIN with push-in technology
	vhi20_pkz01.stp
MCAD MODEL	eaton-contact-blocks-mcad-drawings-vhi20-pkz01.dwg
SALES NOTES	eaton-link-module-for-motor-starters-pkz-flyer-fl034003en-en-us.pdf
WIRING DIAGRAMS	eaton-manual-motor-starters-auxiliary-contact-pkz01-wiring-diagram.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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