



082881
CL-PKZ0

Overview

Specifications

Resources



Delivery program

Technical data

Design verification as per IEC/EN 61439

Technical data ETIM 7.0

Approvals

Dimensions

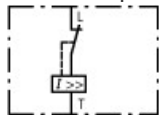
DELIVERY PROGRAM

Product range
Accessories

Accessories
Current limiter

Motor-protective circuit-breaker, non-auto-protected in order to increase switching capacity
Max. Rated operational voltage $U_g = 690$ V
Rated uninterrupted current $I_n = 63$ A

Contact sequence



Connection technique
Screw terminals

For use with
Current limiter PKZ0(4), PKE

For use with
PKZM0
PKM0
PKZM4
PKE

Notes

Can be used for individual and group protection.

For group protection and in combination with PKZM4, order additional BK25/3 connection terminal if required.

Mounting next to or behind the motor protective circuit breaker.

PKZM0: 16 - 32 A, 150 kA/440 V

PKZM4: 16 - 63 A, 100 kA/400 V

PKZM4: 16 - 63 A, 10 kA/690 V

TECHNICAL DATA

Current limiter

Rated impulse withstand voltage [U_{imp}]
6000 V AC

Overvoltage category/pollution degree
III/3

Rated operational voltage [U_e]
690 V AC

Rated uninterrupted current [I_n]
63 A

DESIGN VERIFICATION AS PER IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_r]
63 A

Heat dissipation per pole, current-dependent [P_{rd}]

2.8 W

Equipment heat dissipation, current-dependent

[P_{vid}]

8.4 W

Static heat dissipation, non-current-dependent [P_{vs}]

0 W

Heat dissipation capacity [P_{diss}]

0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+55 °C

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 Strength of materials and parts

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts

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 Strength of materials and parts

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2 Strength of materials and parts

10.2.5 Lifting

Does not apply, since the entire switchgear needs

to be evaluated.

10.2 Strength of materials and parts

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts

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 Insulation properties

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties

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) / Current limiter (EC000239)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Current limiter (ecl@ss10.0.1-27-37-04-16 [AKF014013])

Max. apparent power
0 VA

Mounting method
DIN rail

Conditioned rated short-circuit current I_q
0 kA

Rated permanent current I_u
63 A

Short-circuit current limiter
Yes

APPROVALS

Product Standards
UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE
marking

UL File No.
E36332

UL Category Control No.
NLRV

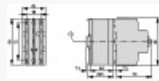
CSA File No.
165628

CSA Class No.
3211-05

North America Certification
UL listed, CSA certified

Specially designed for North America
No

DIMENSIONS



Top-hat rail to IEC/EN 60715



