



248813 PBHT-125/4/05-A

Overview

Specifications

Resources







Delivery program

Technical data

Design verification as per IEC/EN 61439

Technical data ETIM7.0

DELIVERY PROGRAM

Basic function

Add-on residual current protection unit

Number of poles

4 pole

Application

For commercial and industry applications

Rated current $[I_n]$

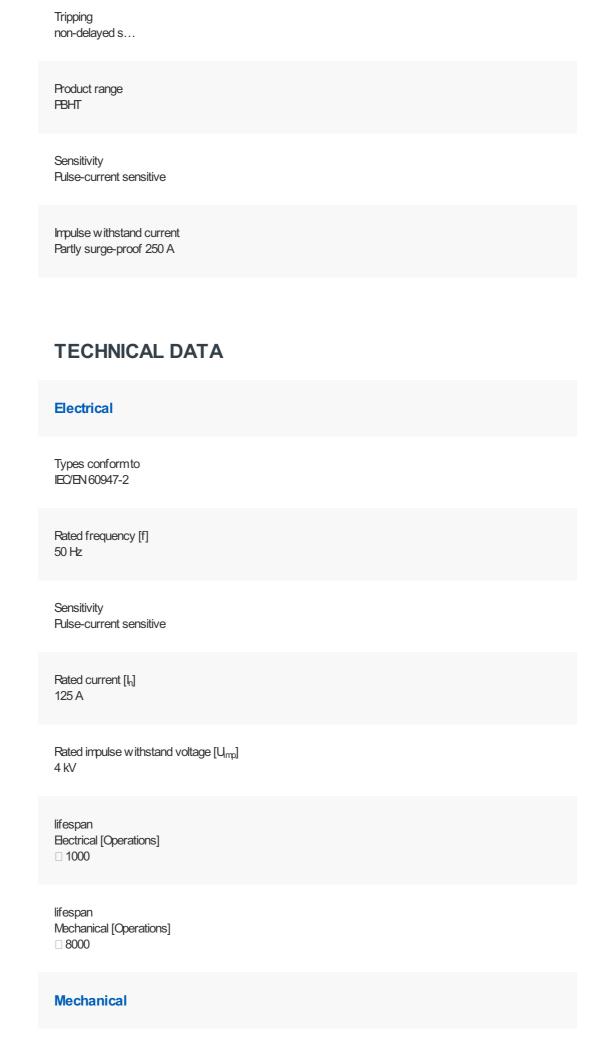
125 A

Rated short-circuit strength [l_{cn}] same as connected PLHT kA

Rated fault current $[I_{\Delta N}]$

0.5 A

Type Type A





Rated operational current for specified heat dissipation [I_n] 125 A

Heat dissipation per pole, current-dependent $[P_{iid}] \ 0 \ W$

Equipment heat dissipation, current-dependent $[P_{\text{id}}]$

Static heat dissipation, non-current-dependent $[P_{\text{vs}}]$ 0 W

Heat dissipation capacity [P_{diss}] 0 W

Operating ambient temperature min. -25 °C

Operating ambient temperature max. +40 °C

Starting at 40 °C, the max. permissible continuous current decreases by 3% for every 1 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts10.2.2 Corrosion resistanceMeets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures Weets 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 Weets 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 Weets 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 parts10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts10.2.7 InscriptionsMeets the product standard's requirements.

10.3 Degree of protection of ASSEVBLIES

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

Oircuit breakers and fuses (EG000020) / Residual current circuit breaker (RCCB) (EC000003)

Bectric engineering, automation, process control engineering / Bectrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB) (ecl@ss10.0.1-27-14-22-01 [AAB906014])

Number of poles

4

Rated voltage 400 V

Rated current 125 A

Rated fault current 500 mA

Rated insulation voltage Ui 440 V

Rated impulse withstand voltage Ump 4 kV

Mounting method DIN rail
Leakage current type A
Selective protection No
Short-time delayed tripping No
Short-circuit breaking capacity (lcw) 0 kA
Surge current capacity 0.25 kA
Frequency 50 Hz
Additional equipment possible Yes
With interlocking device Yes
Degree of protection (IP) IP20
Width in number of modular spacings 5.5
Built-in depth 70 mm
Ambient temperature during operating -25 - 40 °C
Pollution degree 2
Connectable conductor cross section multi-wired

Connectable conductor cross section solid-core $2.5 - 50 \, \text{nm}^2$







Imprint | Privacy Policy | Legal Disclaimer | Terms and Conditions © 2021 by Eaton Industries GmbH