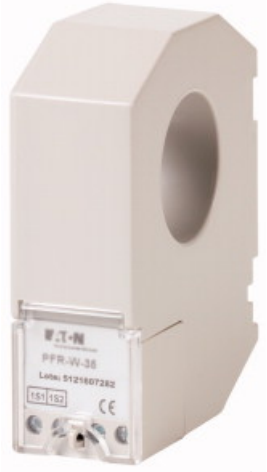
PFR-W-140 - Current transformer for earth-leakage circuit-breaker inner diameter 140mm

285603 PFR-W-140

Overview Specifications Resources



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Current transformer for earth-leakage circuit-breaker inner diameter 140mm

EL-Nummer (Norway) 4365089

Optional accessories for the circuit-breaker series NZM offers a comprehensive portfolio of application options for use world wide. The mounting is always flexible and easy thanks to the modular function groups. Notes: not UL/CSA approved. Incl. screw fixing. Alternative: fixing clip for DIN top-hat rail mounting. Engineering Guidelines: the current transformer diameter must be selected 1.5 times larger than the envelope diameter of the passed through conductor., than the envelope diameter of the passed through conductor. Can be used for: NZM1, NZM1-4, N1, N1-4, NZM2, NZM2-4, N2, N2-4, NZM3, NZM3-4, N3, N3-4, NZM4, NZM4-4, N4-4

Delivery program

Description
In combination with PFR residual current relay
not UL/CSA approved
Diameter [□]
140 mm
Rated operational voltage [U_e]
690 V 50/60 Hz V AC
Notes
incl. screw fixing

Alternative: fixing clip for DIN mounting rail

Design note:

The current transformer diameter must be selected 1.5 times larger than the envelope diameter of the passed through conductor.

Technical data

Electrical
Standards
IEC
Rated voltage of the relay contact
690V (50/60 Hz) V AC/DC
Mechanical
Mounting

Incl. fixing clip for DIN-rail mounting

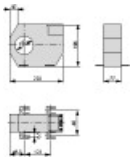
Design verification as per IEC/EN 61439

IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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) / Residual current release for power circuit breaker (EC001021)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Fault current switch for circuit breakers (ecl@ss10.0.1-27-37-04-11 [AKF009013])
Rated control supply voltage Us at AC 50HZ
0 - 0 V
Rated control supply voltage Us at AC 60HZ
0 - 0 V
Rated control supply voltage Us at DC
0 - 0 V
Rated fault current
0 - 0 A
Max. power on-delay time
0 ms
Delay adjustable
No
Max. rated operation voltage Ue
0 V

Dimensions



CAD data

- Product-specific CAD data
  (Web)
- 3D Preview
  (Web)

DWG files

- DA-CD-pfr_w_140
  File
  (Web)

edz files

- DA-CE-ETN.PFR-W-140
  File
  (Web)

Step files

- DA-CS-pfr_w_140
  File
  (Web)

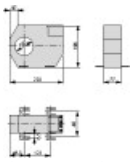
Product photo

- 
  1230PIC-794
  Photo

3D drawing

- 
  1230DRW-69
  Line drawing
  Ring-type transformer

Dimensions single product

- 
  1230DIM-182
  Line drawing
  Ring-type transformer

Instruction Leaflet

- IL01219036Z
  Asset
  (PDF, Language independent)

Declaration of Conformity

EU

- DA-DC-03_PFR_181019
  Asset
  (PDF)

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