

Select your language

- German
- English
- Spanish
- French
- Dutch
- Italian
- Polish
- Czech
- Russian
- Norwegian Bokmål

Worldwide English



PFR-WMA-70 - Magnetic shielding for transformers 70



286002 PFR-WMA-70

[Overview](#) [Specifications](#) [Resources](#)



## 286002 PFR-WMA-70

Magnetic shielding for transformers 70

EL-Nummer (Norway)

4365092

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. Necessary for a load circuit with high inrush currents  $> 4 \times I_n$ , e. g. motors and capacitors. Can be used for: NZM1, NZM1-4, N1, N1-4, NZM2, NZM2-4, N2, N2-4, NZM3, NZM3-4, N3, N3-4, NZM1-NA, NZM2-NA, NZM3-NA

- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0
- Dimensions

### Delivery program

Description

not UL/CSA approved

For use with

PFR-W-70

**Notes**

Necessary for a load circuit with high inrush currents  $> 4 \times I_n$ , such as for example motors and

### Technical data

Electrical

Standards

IEC

### Design verification as per IEC/EN 61439

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.

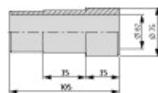
10.12 Electromagnetic compatibility  
Is the panel builder's responsibility. The specifications for the switchgear must be observed.

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) / 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  $U_s$  at AC 50HZ  
0 - 0 V  
Rated control supply voltage  $U_s$  at AC 60HZ  
0 - 0 V  
Rated control supply voltage  $U_s$  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  $U_e$   
0 V

## Dimensions



## Product photo



1230PIC-104  
Photo

Magnetic shielding



1230PIC-857

Photo

## 3D drawing

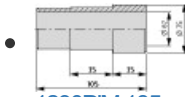


1230DRAW-70

Line drawing

Magnetic shielding

## Dimensions single product



1230DIM-185

Line drawing

Magnetic shielding

## Instruction Leaflet

- [IL01219036Z](#)  
Asset  
(PDF, Language independent)

## Declaration of Conformity

### EU

- [DA-DC-03\\_PFR\\_181019](#)  
Asset  
(PDF)

## Download-Center

- [Download-Center \(this item\)](#)  
Eaton EMEA Download-Center - download data for this item
- [Download-Center](#)  
Eaton EMEA Download-Center

 [Generate data sheet in PDF format](#)

 [Generate data sheet in Excel format](#)

 [Write a comment](#)

[Imprint](#) [Privacy Policy](#) [Legal Disclaimer](#) [Terms and Conditions](#)

© 2022 by Eaton Industries GmbH