



**Current transformer for earth-leakage circuit-breaker inner diameter 21mm**

**Part no. PFR-W-20**  
**Catalog No. 285558**

**Delivery program**

Description			In combination with PFR residual current relay not UL/CSA approved
Diameter	∅	mm	20
Rated operational voltage	U <sub>e</sub>	V AC	690 V 50/60 Hz
<b>Notes</b>			
incl. fixing clip for DIN rail mounting			

**Technical data**

**Electrical**

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

**Mechanical**

Mounting			2 x 22.5 mm, display fixed with 2 fixing rings. Wall thickness: without top-hat rail (CPU) 1 - 6 mm with top-hat rail 1 - 4 mm
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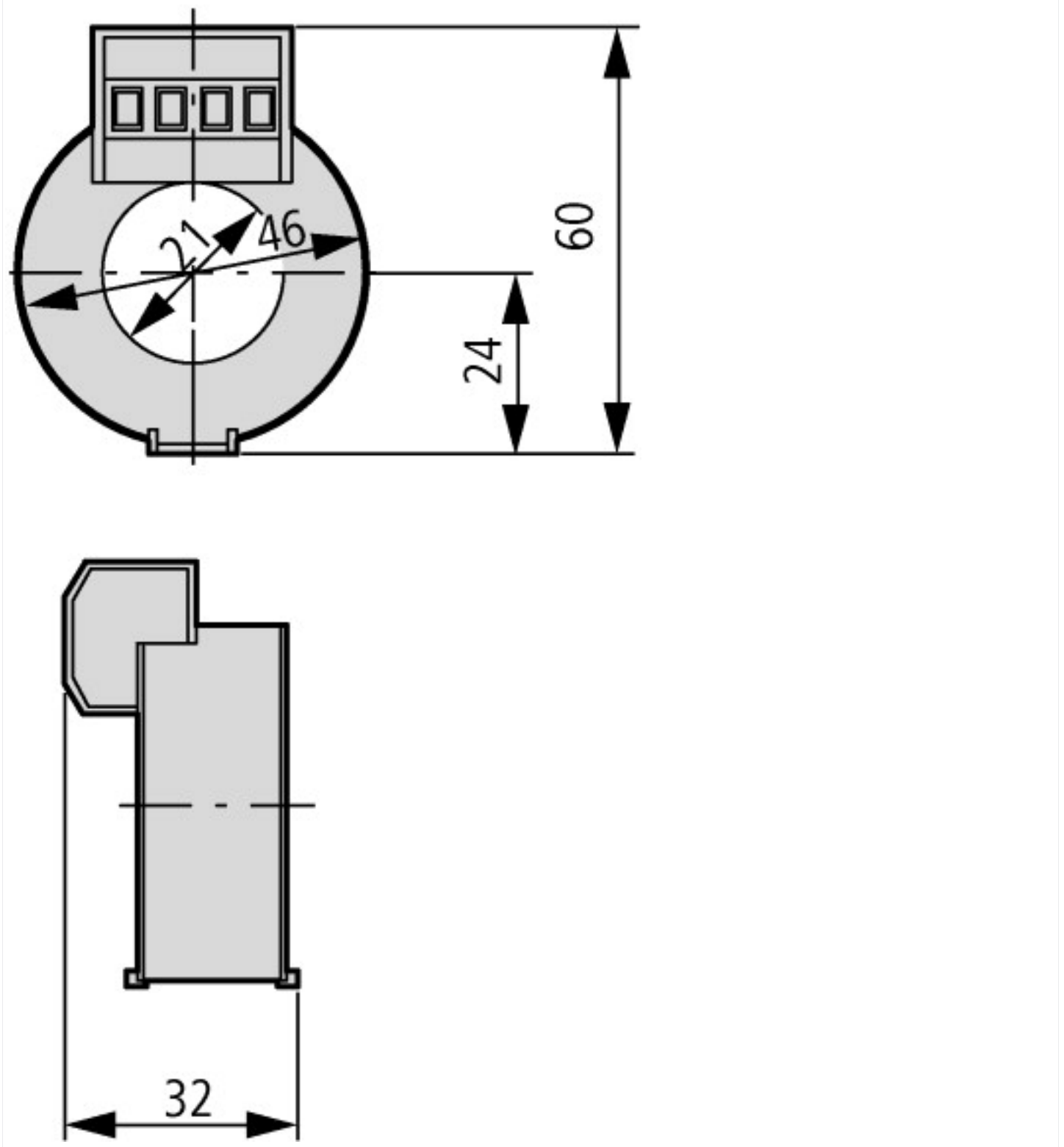
**Design verification as per IEC/EN 61439**

IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 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.
10.9.3 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.
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**

Rated control supply voltage $U_s$ at AC 50HZ	V	0 - 0
Rated control supply voltage $U_s$ at AC 60HZ	V	0 - 0
Rated control supply voltage $U_s$ at DC	V	0 - 0
Rated fault current	A	0 - 0
Max. power on-delay time	ms	0
Delay adjustable		No
Max. rated operation voltage $U_e$	V	0

## Dimensions



## Additional product information (links)

**IL01219036Z (AWA1230-2214) Residual-current relay: converter for earth-leakage circuit-breaker**

IL01219036Z (AWA1230-2214) Residual-current relay: converter for earth-leakage circuit-breaker [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL01219036Z2011\\_01.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219036Z2011_01.pdf)