



**Current transformer for earth-leakage circuit-breaker inner diameter 105mm**

**Part no.** PFR-W-105  
**Article no.** 285602

Similar to illustration

**Delivery program**

Description			In combination with PFR residual current relay not UL/CSA approved
Diameter	Ø	mm	105
Rated operational voltage	U <sub>e</sub>	V AC	690 V 50/60 Hz
<b>Notes</b>			
incl. screw fixing			
Alternative: fixing clip for DIN mounting rail			
<b>Design note:</b>			
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	V AC/DC	690V (50/60 Hz)

**Mechanical**

Mounting		Incl. fixing clip for DIN-rail mounting
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**Design verification as per IEC/EN 61439**

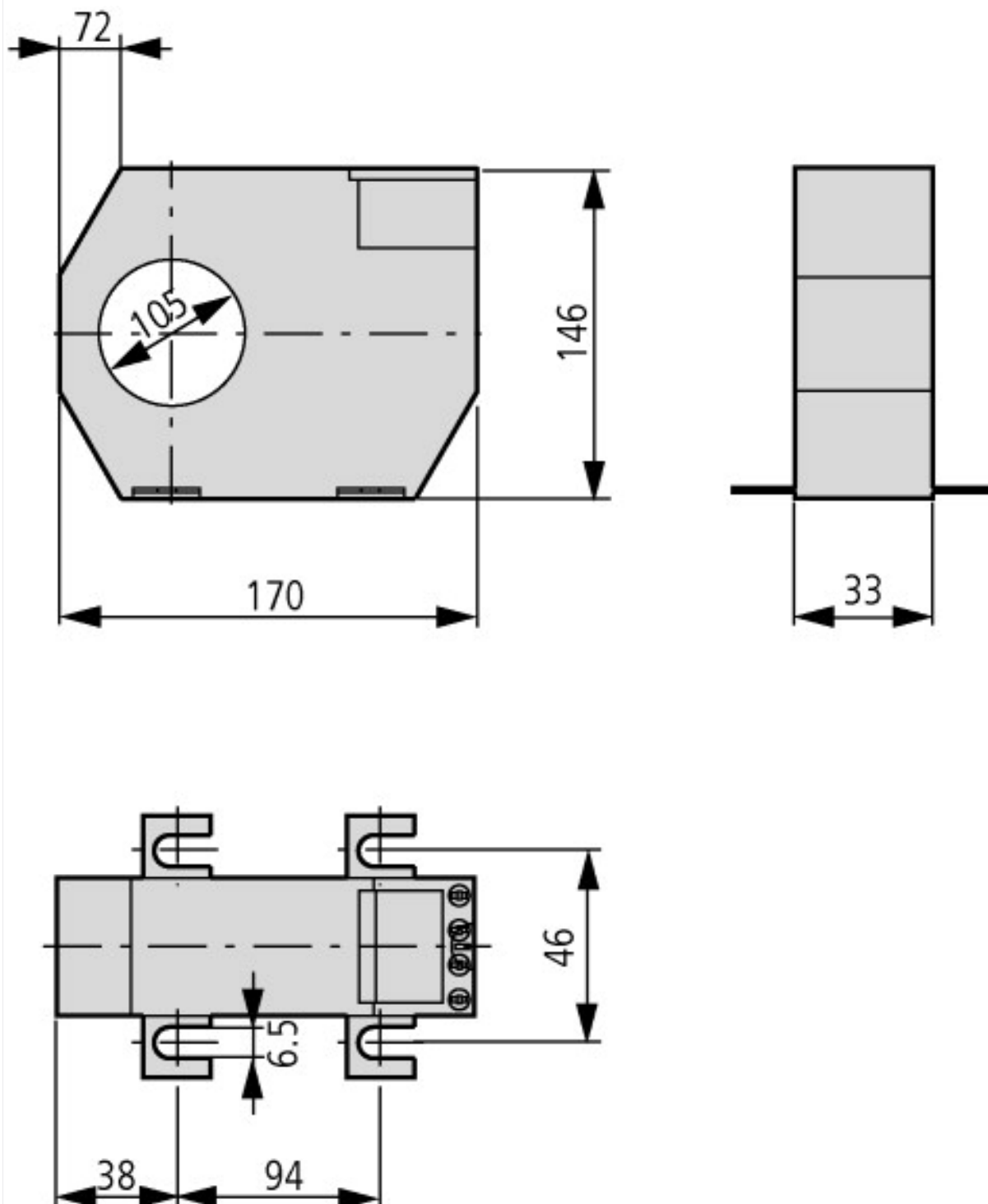
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating 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 6.0

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@ss8.1-27-37-04-11 [AKF009010])			
Rated control supply voltage Us at AC 50HZ		V	0 - 0
Rated control supply voltage Us at AC 60HZ		V	0 - 0
Rated control supply voltage Us 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 Ue		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)