Current transformer for earth-leakage circuit-breaker inner diameter 210mm

Part no. PFR-W-210
Article no. 285604

Similar to illustration

Delivery program

Description			In combination with PFR residual current relay not UL/CSA approved
Diameter	∅	mm	210
Rated operational voltage	U_e	V AC	690 V 50/60 Hz

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		V AC/DC	690V (50/60 Hz)

Mechanical

Mounting			Incl. fixing clip for DIN-rail mounting

Design verification as per IEC/EN 61439

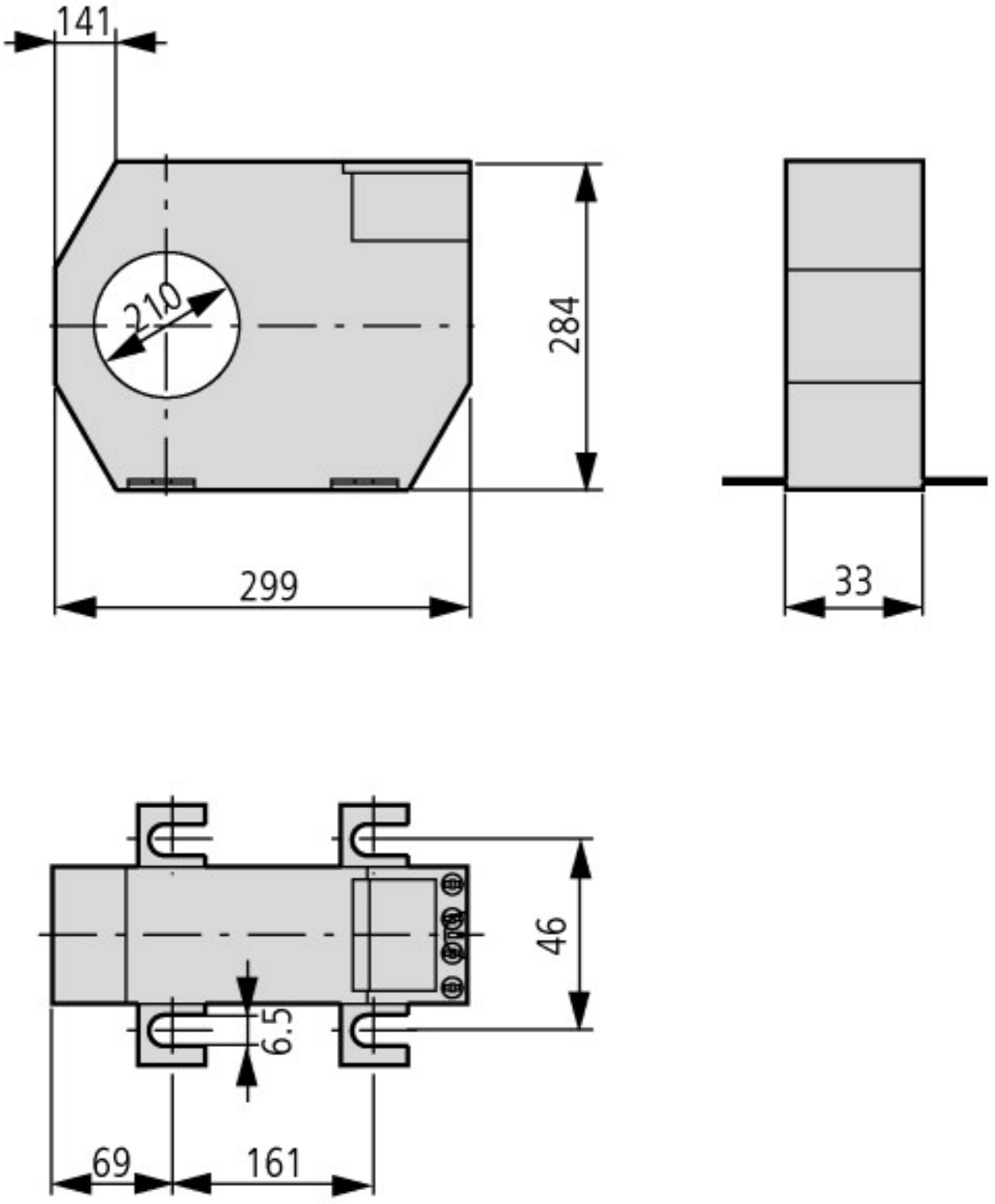
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating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