DATASHEET - PFR-W-210



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



EL-N (No

Part no.

Catalog No.

PFR-W-210 285604

Nummer	0004365090
rway)	

Similar to illustration

Delivery program

Description			In combination with PFR residual current relay not UL/CSA approved
Diameter	Ø	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 b observed.

10.13 Mechanical function

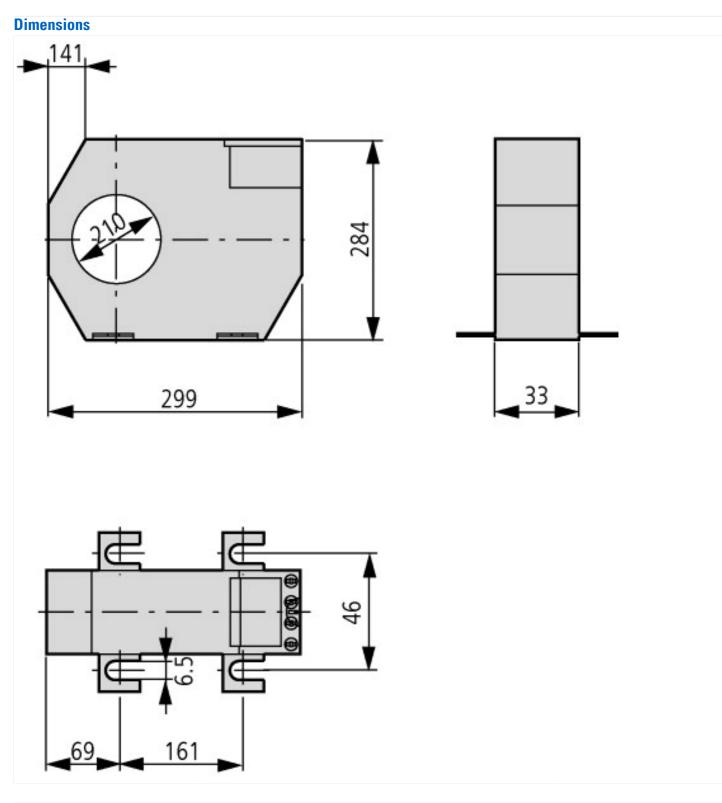
Is the panel builder's responsibility. The specifications for the switchgear must be observed.

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	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	А	0 - 0		
Max. power on-delay time	ms	0		
Delay adjustable		No		
Max. rated operation voltage Ue	V	0		



Additional product information (links)

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

IL01219036Z (AWA1230-2214) Residual-current https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL01219036Z2011_01.pdf relay: converter for earth-leakage circuit-breaker