MRE-CT314

Current Transformer | up to 750 A / 5 A

Power supply

Operating voltage range AC	< 720 V

Measuring circuit

Measurement current range	≤ 1 x I_N
Max. current	60 x I_N, 1 s (max. 100 kA)
Power consumption at 5 A	0.36 VA/m (2.5 mm^2 wire)
Rated base frequency	50 … 60 Hz

Insulation

Rated test voltage measuring / measuring circuit	3 kV rms / 1 min, U_m < 720 V

General data

Ambient temperature storage (no ice)	-25 … 70 °C
Ambient temperature operation	-5 … 50 °C
Dimension	fig. 2
Protection degree	IP20
Housing material	ABS

Product reference

		A								
Description	**Type**	**100**	**150**	**200**	**250**	**300**	**400**	**500**	**600**	**750**
Class 0.2s, power 2.5 VA	MRE-CT314-…/5A/2.5-0.2S		✓	✓	✓					
Class 0.2s, power 5 VA	MRE-CT314-…/5A/5-0.2S					✓	✓	✓	✓	✓
Class 0.5, power 2.5 VA	MRE-CT314-…/5A/2.5-0.5	✓	✓	✓	✓					
Class 0.5, power 5 VA	MRE-CT314-…/5A/5-0.5					✓	✓	✓	✓	✓

Other transmission ratio on request. Please contact support@comatreleco.com.
"..." list primary current to complete product references.

fig. 1. Wiring diagram

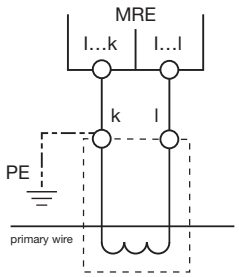
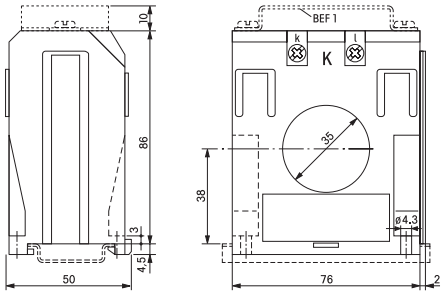


fig. 2. Dimension (mm)



Standards and approvals

Standards IEC/EN 61869

Approvals CE

	Description	MRM11	MRM11R	MRM32	MRM32R	MRU11	MRU32	MV53	SSU34	SSU31	SSU33L	MRI11	MRI32	TSR19	ESU-D2R	CT515R	CT524R
Monitoring	One phase voltage monitoring	●	●			●		●									
	Three phase voltage monitoring			●	●		●		●		●						
	Four channel voltage measuring																
	DC Voltage monitoring	●	●	●	●	●	●										●
	One phase current monitoring	●	●									●					
	Three phase current monitoring			●	●								●				
	Four channel current measuring																
	DC current monitoring	●	●	●	●							●	●			●	
	Phase failure			●	●		●		●	●	●						
	Phase sequence monitoring			●	●		●		●	●	●						
	Phase angle monitoring / measuring*			●	●		●		●		●						
	Differential voltage monitoring / measuring*								●		●						
	Neutral failure monitoring								●		●						
	Frequency monitoring / measuring*	●	●	●	●	●	●		●		●	●	●				
	Apparent power monitoring / measuring*	●	●	●	●												
	Active power monitoring / measuring*	●	●	●	●												
	Power factor monitoring / measuring*	●	●	●	●												
	Active energy measuring																
	THDI / THDU measuring																
	PTC monitoring													●			
	Earth failure monitoring														●		
Functions	Treshold „over“ exceeded fig. 3.	●	●	●	●	●	●	●	●		●	●	●	●		●	●
	Theshold „under“ exceeded fig. 4.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	„Inside“ band entered fig. 2.	●	●	●	●	●	●					●	●			●	●
	„Outside“ band entered fig. 1.	●	●	●	●	●	●					●	●			●	●
	Alarm on-delay	●	●	●	●	●	●	●	●		●	●	●		●	●	●
	Alarm off-delay	●	●	●	●	●	●	●				●	●				
	Latching alarm output function	●	●	●	●	●	●					●	●	●			
	Threshold selectable	●	●	●	●	●	●	●	●			●	●	●	●	●	●
	Threshold fixed									●	●			●			
Power supply	Supply isolated from measuring circuit	●	●	●	●	●	●					●	●	●	●		
	Supply from measure circuit							●	●	●	●					●	●
Mounting	DIN rail mounting	●	●	●	●	●	●	●	●			●	●		●		
	Housing according IEC/EN 43880 (electrical distribution mounting)	●	●	●	●	●	●	●				●	●				
	Plug-in (socket mounting)									●	●	●		●		●	●