

VAMP 130

OVERCURRENT AND EARTH FAULT RELAY



- Excellent performance/cost ratio
- Basic protection functions
- Event handling and fault registration
- Disturbance recorder
- Non-volatile memory
- Easy to use: flexible output and blocking matrix
- Local communication

Main technical data/ VAMP 130

Auxiliary voltage, Uaux	40...265 V ac / dc
Rated phase current I _n	1A or 5A
- current measuring range	0...50 x I _n
Thermal Withstand	4 x I _n (continuous), 100 x I _n (for 1 s)
Rate frequency f _n	45...65 Hz
Tests and environment	
Emission	EN 55022
Immunity	IEC 60255-22-1, IEC 60255-11, EN 61000-4-6, EN 61000-4-5, EN6100-4-4, EN 61000-4-3, EN6100-4-2
Insulation test	IEC 60255-5
Surge voltage	IEC 60255-5
Vibration shock	IEC 60255-21-1
Operating temperature	-10...+55° C
Relative humidity	<95 %, no condensation allowed
Degree of protection (IEC 60529)	IP51, flush mounted
Weight	2,2 kg
Dimension (w x h x d)	99 x 155 x 225 mm
Protection stages	
Overcurrent protection	
Overcurrent stage	I> (50/51)
Overcurrent stage	I>> (50/51)
Overcurrent stage	I>>> (50/51)
Phase unbalance stage	I ₂ / I ₁ (46)
Thermal overload stage	T> (49)
Earth fault protection	
Earth fault stage	I ₀ > (50N/51N)
Earth fault stage	I ₀ >> (50N/51N)
Earth fault stage	I ₀ >>> (50N/51N)
Other	
Disturbance recorder (DR)	
Circuit breaker failure protection (CBFP)	50BF
Outputs	
Trip relays	2 pcs NO
Alarm relays	2 pcs NO or NC
Self supervision	1 pc NC
Measurements	
Phase currents	IL ₁ , IL ₂ , IL ₃ , IL
Residual current	I ₀ (A), I ₀ (%)
Phase unbalance	I ₂ / I ₁
15 min demand current	IL _{15min}
Maximum phase current	IL _{max}
Frequency	f
15 min average current	IL ₁ , IL ₂ , IL ₃ , IL and I ₀ ⁽¹⁾
15 min maximum current	IL ₁ , IL ₂ , IL ₃ , IL and I ₀ ⁽¹⁾
Current diagram	⁽¹⁾
Note: ⁽¹⁾ with VAMPSET software	
Communication port	
Front panel connection to pc, Vampset	

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