

SSU34/AC400V 50HZ

3 phase + N | 2 CO | Voltage monitoring

Power supply

Nominal voltage	400 V AC
Operating voltage range	240 ... 495 V
Power consumption AC / DC	< 5 VA / -
Frequency range	50 Hz

Measuring circuit

Measured parameters	U, ΔPhi, Δf
Monitoring functions	Under, over, phase failure, phase sequence
Number of voltage measurement inputs	4 (L1 / L2 / L3 / N)
Rated AC voltage L-N / L-L	230 V / 400 V
Undervoltage setting range	160 ... 225 V / 280 ... 390 V
Overvoltage setting range	235 ... 275 V / 410 ... 480 V
AC voltage measurement range L-N / L-L	160 ... 275 V / 280 ... 480 V
Voltage difference setting range L-N / L-L	20 ... 100 V 35 ... 173 V
Rated base frequency	50 Hz
Frequency difference setting range L-N / L-L	3 ... 15 Hz
Phase angle difference setting range L-N / L-L	3 ... 15°
Alarm delay	0.2 ... 5 s

Main circuit

Number of contacts	2 CO
Available contact materials	AgNi
Rated voltage	250 V AC
Rated current	5 A
Minimum load	10 mA, 12 V
Inrush current	15 A, 20 ms
Rated load DC	fig. 3
Rated load AC-1	1,250 VA
Mechanical endurance (cycles)	5 000 000
Electrical endurance at rated load AC-1 (cycles)	fig. 2

Insulation

Rated test voltage measuring / measuring circuit	3 kV rms / 1 min
Rated test voltage measuring circuit / main circuit	3 kV rms / 1 min
Rated test voltage open contact	1 kV rms / 1 min
Pollution degree	2
Overvoltage category	III

General data

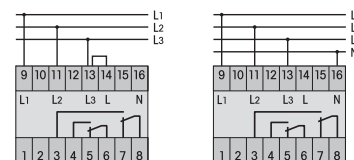
Storage temperature (no ice)	-40 ... 85 °C
Operation temperature	-10 ... 60 °C
Conductor cross section control / main circuit	2.5 mm², 2 x 1.5 mm²
Nominal screw torque control / main circuit	0.5
Dimensions	fig. 4
Weight	350 g
Ingress Protection	IP 20
Housing material	PC

Product references

Description	Type	400
Three phase monitoring	SSU34/AC...V 50HZ S	✓
Other voltages on request. Please contact support@comatreleco.com.		
«...» List coil voltage to complete product references		



fig. 1. Wiring diagram



DO NOT CONNECT AT THE SAME TIME:
Neutral conductor N and bridge L3-I!

fig. 2. AC voltage endurance

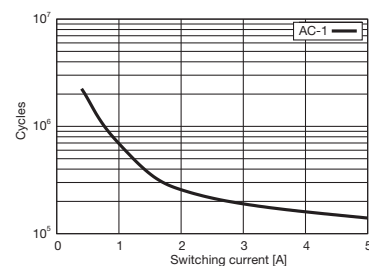


fig. 3. DC load limit curve

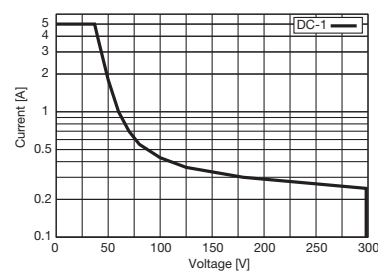
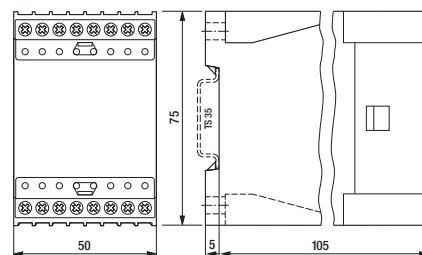


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 60947

Approvals