

SSU33R/AC400V 50 HZ

3 phase + N | 1 CO | Voltage monitoring



Power supply

Nominal voltage	400 V AC
Operating voltage range	280 ... 470 V
Power consumption AC / DC	3 VA / -
Frequency range	50 Hz

Measuring circuit

Measured parameters	U, $\Delta\Phi$, Δf
Monitoring functions	Under, over, phase failure, phase sequence
Number of voltage measurement inputs	3 (L1 / L2 / L3)
Rated AC voltage L-N / L-L	- / 400 V
Undervoltage setting range	≤ 280 V
Overvoltage setting range	≥ 480 V
Voltage difference setting range L-N / L-L	- / 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	1 CO
Available contact materials	AgNi
Rated voltage	250 V AC
Rated current	6 A
Minimum load	10 mA, 5 V
Inrush current	15 A, 20 ms
Rated load DC	fig. 3
Rated load AC-1	1,500 VA
Mechanical endurance (cycles)	30 000 000
Electrical endurance at rated load AC-1 (cycles)	fig. 2

Insulation

Rated test voltage measuring / measuring circuit	2 kV rms / 1 min
Rated test voltage measuring circuit / main circuit	2 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	-25 ... 60 °C
Dimensions	fig. 4
Weight	300 g
Ingress Protection	IP 20
Housing material	PC

Product references

Description	Type	400
Three phase monitoring	SSU33R/AC...V	✓
Other voltages on request. Please contact support@comatreleco.com.		
«...» List control circuit voltage to complete product references.		

Accessories

Socket	S3-MR
Retaining spring I steel	HF-24
Transparent front cover	FS-23
Frontpanel mounting set	FZ-23



fig. 1. Wiring diagram

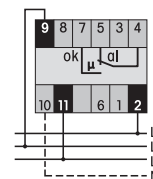


fig. 2. AC voltage endurance

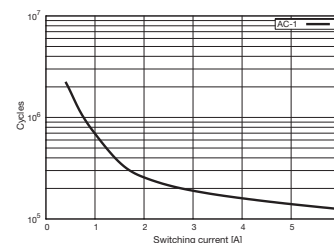


fig. 3. DC load limit curve

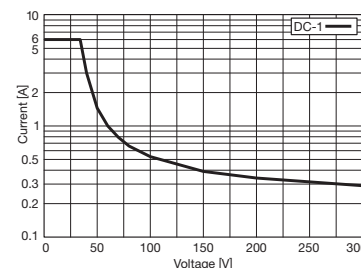


fig. 4. Dimensions (mm)

Technical approvals, conformities

Standards IEC/EN 60947

Railway EN 50155; EN 45545-2

Approvals