

SSU31

Phase sequence monitoring | 400 V AC

Power supply

Nominal voltage	400 V AC
Operating voltage range	320 ... 480 V
Power consumption AC/DC	10 VA
Rated frequency	45 ... 65 Hz

Measuring circuit

Measured parameters	U
Monitoring functions	Under, phase failure, phase sequence
Number of voltage measurement inputs	3 (L1 / L2 / L3)
Rated AC voltage L-N / L-L	- / 400 V
AC voltage measurement range L-N / L-L	320 ... 400 V
Undervoltage setting range	≤ 320 V
Rated base frequency	45 ... 65 Hz

Main circuit

Number of contacts	1 CO
Contact Material	AgNi
Rated voltage	250 V
Rated current	6 A
Minimum load	10 mA, 5 V
Inrush current	15 A, 20 ms
Rated load DC	fig. 2
Rated load AC-1	1500 VA
Mechanical endurance (cycles)	3 x 10 ⁷
Electrical endurance at rated load AC-1 (cycles)	fig. 3

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

Ambient temperature storage	-40 ... 85 °C
Ambient temperature operation	-25 ... 60 °C
Module width	fig. 4
Weight	300 g
Protection degree	IP 20
Housing material	PC

Product references

Types	Product reference	400
Three phase monitoring	SSU31/AC...V	✓

"..." list control circuit voltage to complete product references.
Other voltages on request. Please contact support@comatreleco.com.

Accessories

Socket	S3-M
Retaining clip	HF-24
Transparent front cover	FS-23
Front panel mounting set	FZ-23



fig. 1. Wiring diagram

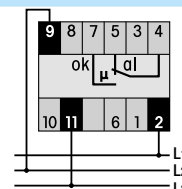


fig. 2. DC load limit curve

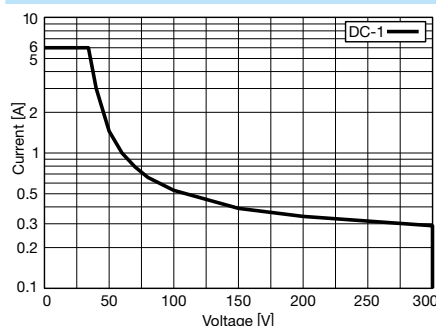


fig. 3. AC voltage endurance

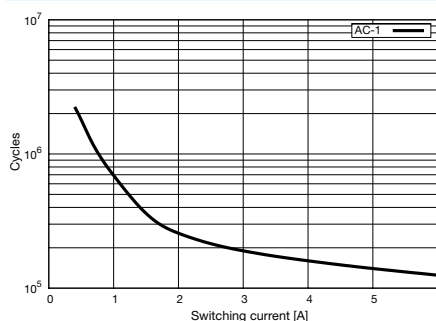
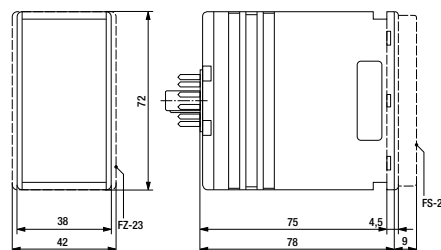


fig. 4. Dimensions (mm)



Standards and approvals

Standards IEC/EN 60947

Approvals