

SSU34

50 Hz, 3 phase monitoring relay

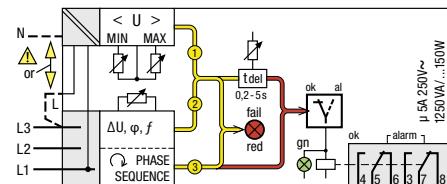
DIN Rail mounting according to DIN 43 880

c comat
RELECO
by comat

Type: SSU34... V

Monitoring relay for under / over voltage, phase sequence, phase loss, phase angle, frequency, asymmetry. Star or delta operation. 2 change over alarm contacts 6 A 250V

Monitoring function



In case of power failure the alarm is activated without delay!

Error signal ② ΔU , $\Delta\phi$, Δf :

One or more of the three voltages, phase positions, or the mains frequency are diverging from the required value. Depending on the nature of their occurrence Δ -errors are evaluated cumulatively.

Error signal ③:

Connection polarity reversal (wrong phase-sequence). Any error is signalled by the red LED "fail" and is reported after expiry of the set alarm-delay time (for error signal ③ undelayed) via 5-6 and 7-8.

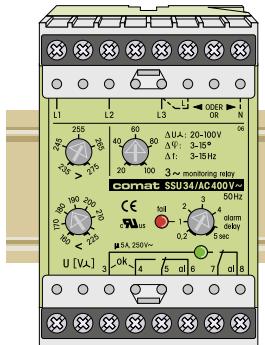
In the correct status (ok) the green LED is illuminated (5-6 and 7-8 open, 5-4 and 7-3 closed).

The SSU34 (50Hz) provide comprehensive monitoring of three-phase mains supplies with or without neutral.

The following mains faults are monitored:

Error signal ① U (V_Δ , V_λ):

Exceeding or dropping below the set voltage values U_{min}/U_{max} for $L1-N$ or $L1-L3,L$ (no differential voltage, phase position or frequency fault).



Connection diagram

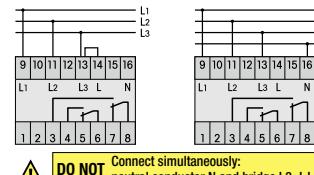


Fig. 1 AC electrical endurance

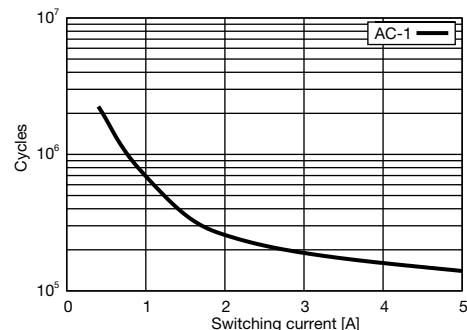
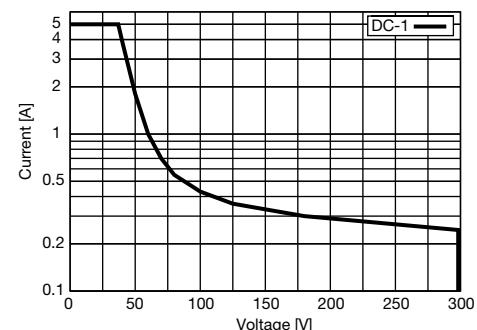
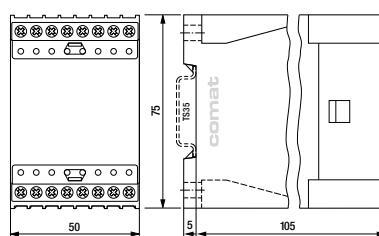


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities

EN 60947



Standard types

50 Hz , AC 100, 400, 500

"..." enter the voltage for full type designation

SSU34/AC...V