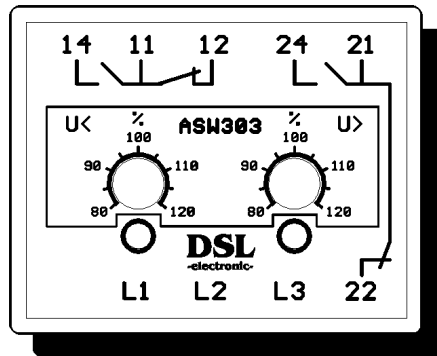


Discontinued Product

Voltage monitor ASW303 (3-wire)



Description

Voltage monitor ASW303 is applied for monitoring the voltage of alternating or three-phase current networks. The switching points undervoltage and overvoltage are separately set and work on separate output relays. The output relay is picked up if actual value of the measured voltage is over the set limit value. For this it needs only one value of L1,L2 or L3 to activate the corresponding output relay. This means, that the pass over of only one phase gives a monitoring output signal.

The measurement is effected on the basis of outer conductor versus internal N. If only one limit value shall be monitored, the other potentiometer will be set to the limit stop.

Function Description

The functional circuit undervoltage with adjustable potentiometer set to 80% to 120%
 Display "Voltage > Set-point Value"
 Output contact, 1 change-over contact

Functional circuit overvoltage with adjustable potentiometer 80% to 120%
 Display "Voltage > Set-point Value"
 Output contacts, 1 change-over contact

Technical Data

Typ	Frequency monitor ASW303
Construction	Plastic housing on 35mm hat rail as per DIN EN 50022
Material of housing	Bayblend FR 1439/0240 modified ABS with burning protection UL 94 VO
Dimension, Weight	55x68x110mm (WxHxD), ca. 0,2 kg
Rated Voltage	400V (L-L), 3-wire connection, other voltages on request
Rated Frequency	50 / 60 Hz
Control Range	+/- 20%
Switching Duration	Appr. 250 ms (Jump DU=10%)
Hysteresis of switch over	0,5%
Repeat Accuracy	1%
Power Consumption	2,5 VA from measuring signal
On Period	100 %
Terminal Load	5A/250VAC , 5A/30VDC , 0,015 Ohm contact resistance , 10 ⁵ life time
Voltage Protection	3000V (coil-contakt), 1000V (open contakt)
Connection Terminals	For wire connection up to 2,5 mm ² , potentialfree input terminal
Type of Protection	Housing IP 40 , terminals IP 20 (bzw. VDE 0106T100/VBG4)
Operating Temp. Range	-10 °C bis +55°C, 95% Humidity
Potential Separation	EN 60 742 (safety transformers)
General Regulations	EN 50 178 (electrical units in power current installation)
Noise suppressions	EN 55 022/B
EMV	EN 61000 und EN V 50 140
Installation Position	Any position
Maintenance	Free of maintenance