



Three-phase Voltage Monitoring Relay UD1515 / UD1525 / UD1535

- Standard type 
- Operating range -25 °C to +70 °C
- Monitoring of three-phase systems



Order Code

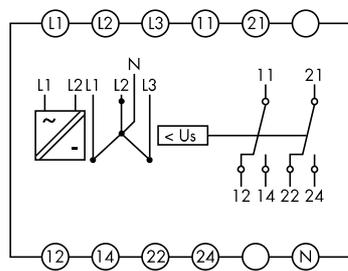
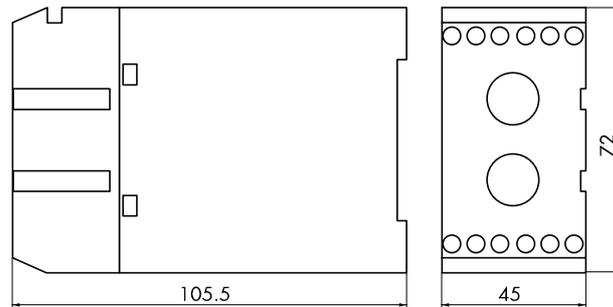
Order code	UD	1525.	2	-	230 / 240 V	50 Hz
Three-phase voltage						
UD	UD					
Monitored variable						
1515 Three-phase undervoltage		1515.				
1525 Asymmetric three-phase angle		1525.				
1535 Three-phase sequence		1535.				
Contact arrangement						
2 C/O			2			
Measuring and supply voltage (Voltage: Phase - N / Phase - Phase)						
57 / 100 V					57 / 100 V	
110 / 190 V					110 / 190 V	
127 / 220 V					127 / 220 V	
230 / 400 V					230 / 400 V	
240 / 415 V					240 / 415 V	
290 / 500 V					290 / 500 V	
Frequency						
50 / 60 Hz						50 / 60 Hz
50 Hz (for UD 1525 only)						50 Hz

Contact Data

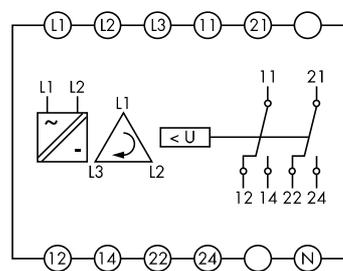
	UD1515 / UD1525 / UD1535
Contact arrangement	2 C/O
Type of contact	Single contact
Contact material	AgCdO
Nominal contact current	5 A
Inrush current	≤ 5 A
Max. switching capacity	1100 VA
Nominal contact voltage	250 VAC



Dimensions, Connection Diagram(s)



UD1515 / UD1525



UD1535

General Data

	UD1515 / UD1525 / UD1535
Display	1 green LED lights if the output relay is pulled up
Insulation group VDE 0110b/2.79	C250
Test voltage	
Monitoring circuit - output circuit	2500 VAC
Vibration resistance	4 g at 25 - 100 Hz (in accordance with GL)
Terminals	Tension relief terminal with head screws metric M 2.6
Terminal torque	max. 0.6 Nm
Terminal capacity	
solid conductor	2 x 1.5 mm ²
flexible conductor with ferrule	2 x 1.5 mm ²
Operating temperature	-25 °C to +70 °C
Storage temperature	-25 °C to +85 °C
Protection in accordance with DIN 40050	IP40 Housing IP20 Screws IP10 Clamps
Mounting	Rail in accordance with EN50022-35 x 7.5/15 Screw mounting with mounting plate
Weight	approx. 300 g

Auxiliary Circuit

- The supply input is internal connected to the monitoring input (L1 and L2).



Monitoring Circuit

	UD1515	UD1525	UD1535
Nominal line voltages	see order code		
Nominal line frequency	50 / 60 Hz	50 Hz $\pm 0.5\%$	50 / 60 Hz
Overload rating	1.2 x U_N continuous 1.5 x U_N 10 s at 10 % ED		
Rated power	2.4 VA $\cos \varphi \approx 0.7$		
Monitored value	Voltage reading	Phase angle	Phase sequence
Drop-out voltage	U_{ab} permanently adjustable between 0.7 and 1.0 x U_N acc. to the upper scale	AS permanently adjustable between 3° and 30° asymmetry of angles	
Adjustment error	$\leq 1\%$	$\leq 2.5\%$	
Pull-in voltage	U_{an} permanently adjustable between 1.02 and 1.2 x U_{ab} acc. to the lower scale	fixed setting at 1 % approx.	
Adjustment error	$\leq 2.5\%$		
Variance of switching points at the three phases	$\leq 1\%$		
Temperature dependence	$\leq 0.01\%/K$	$\leq 0.01\%/K$	
Variance of switching points under identical conditions	$\leq 0.5\%$	$\leq 0.5\%$	