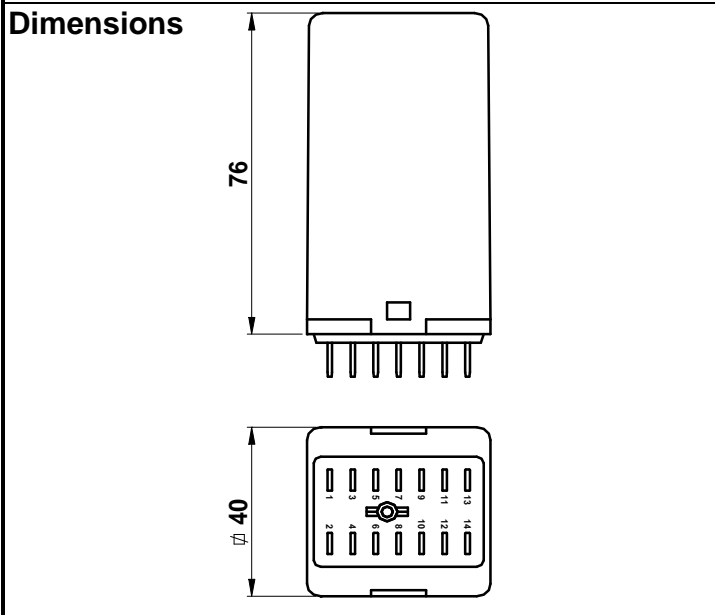


Datasheet

BATTERY VOLTAGE MONITORING RELAY

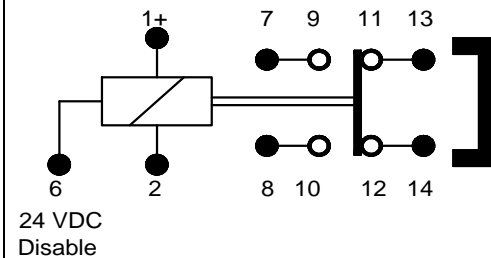
Product ALD-024 23/24.6 VDC

Country of Origin: The Netherlands



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Connection Diagram



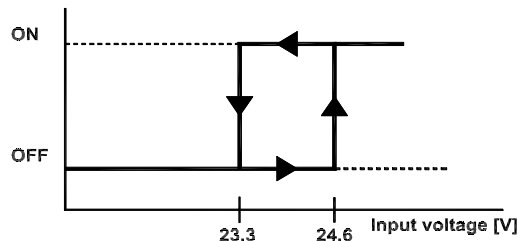
Description

Electronic plug-in battery voltage measuring relay.
 When the input voltage drops below the pull-in voltage (23 V), an internal relay is activated.
 After a fixed waiting time (30 min) the voltage is checked and when the drop-out voltage (24.6 V) has been reached the relay will switch off, otherwise the waiting time is increased with 30 min.
 The ALD has fixed voltage levels and a fixed waiting time. (customer specific on request)
 The ALD has a disable input, to block the working of the relay.
 When the ALD is disabled a red LED will light up.
 A green LED indicates that the drop-out voltage has been reached (see below).
 The output relay has double connections and is equipped with magnetic arc blow-out.
 The ALD relay is pluggable into standard D-U sockets.

Energizing

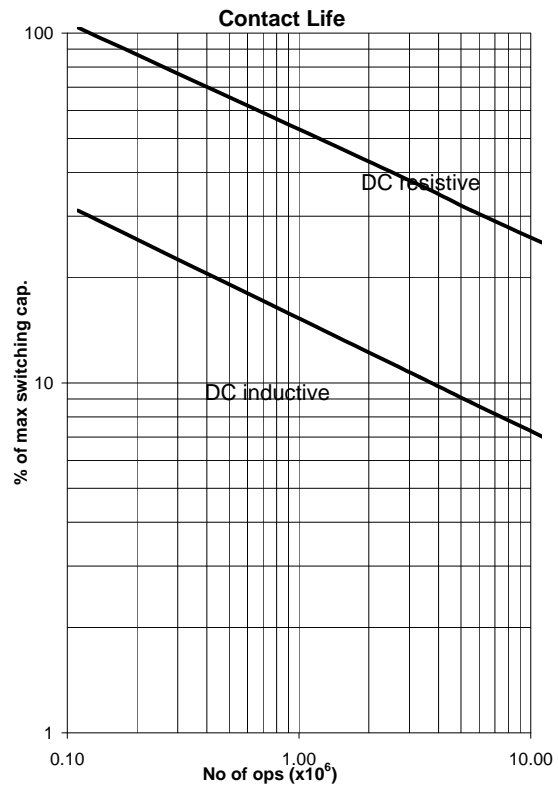
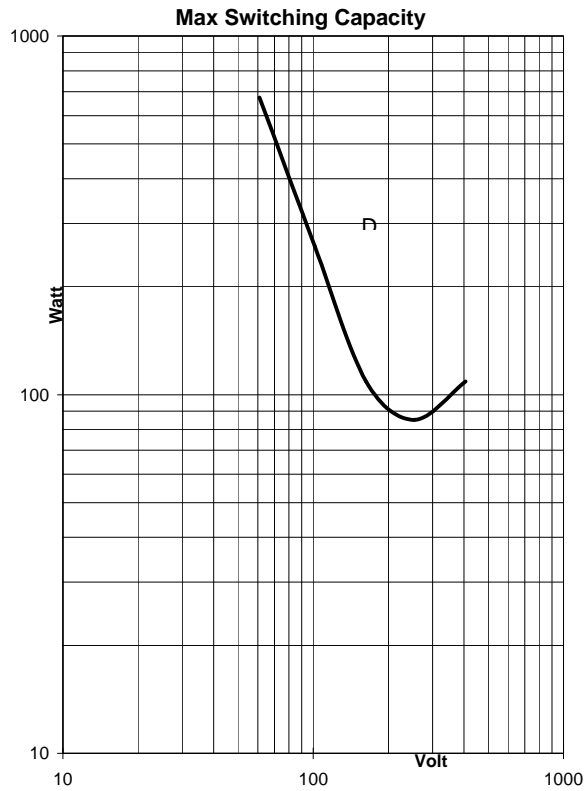
Type	ALD-024	
Pull-in voltage	23 VDC	± 1 %
Drop out voltage	24.6 VDC	± 1 %
Max. continuous voltage	30 VDC	± 10 %
Delay time	30 min	
Power Consumption	energized	< 1.2 W
	de-energized	< 0.5 W
Repeat Accuracy	± 1 %	
Temperature coefficient	± 0.1 %/K	

Working Principle green LED



Contact data			
Max. Make Current	15 A	Material	Ag+0.2µm Au
Max. Cont. Current	6 A (AC1 ; IEC 947)	Contact gap	0.6 mm
Max. Switching Voltage	DC 300 V, 300 mA	Insulation between open contacts	1 kV; 50 Hz; 1 min
	AC 250 V, 2.6 A		
Min. Switching Voltage	4V/2mA/0.1W-VA		
Max. Contact Resistance	5 milli Ohm		

Maximum Switching Capacity and Contact life



General Data

Dielectric strength	Cont-Coil	IEC 77	2 kV, 50 Hz
Vibration		IEC 77	5 g at 50 Hz
		IEC 571-1	2 g, 10-150 Hz
		IEC 68-2-6	
Shock		IEC 68-2-27	15 g, 11 ms
Mechanical life			10*10 ⁶ ops
Max. Switching Frequency			3600 ops/h
Weight			120 gram
Temperature	T _{amb,max}		+ 70 °C
	T _{amb,min}		- 25 °C
Humidity			90 %, condensation not permitted
Protection			IP 50
Materials			Polyester
			Makrolon