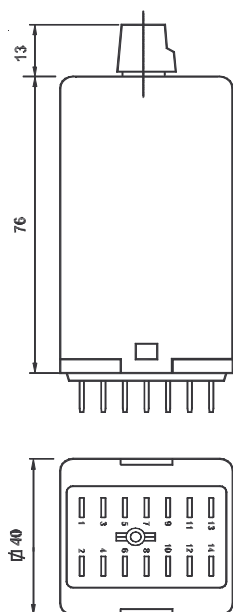


MONITORING RELAY

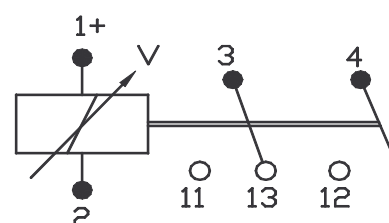
Product UMD-U200 series voltage monitoring relay	Country of Origin: The Netherlands
Dimensions	Company



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 The Netherlands
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Connection Diagram



Description

Electronic plug-in voltage monitoring relay with one change-over contact and one NO contact.
 The UMD-U200 does not need auxiliary supply.
 Equipped with LEDs that indicate energization and contact switching.
 The pull in voltage is adjustable and lockable with a knob. Fixed settings are possible.
 The UMD-U200 relays are pluggable into standard D-U200 relay bases.

Input data

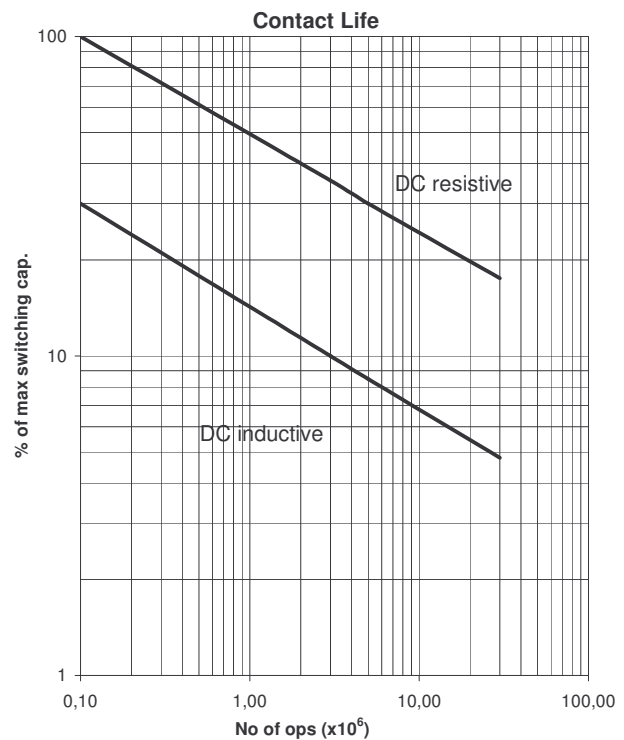
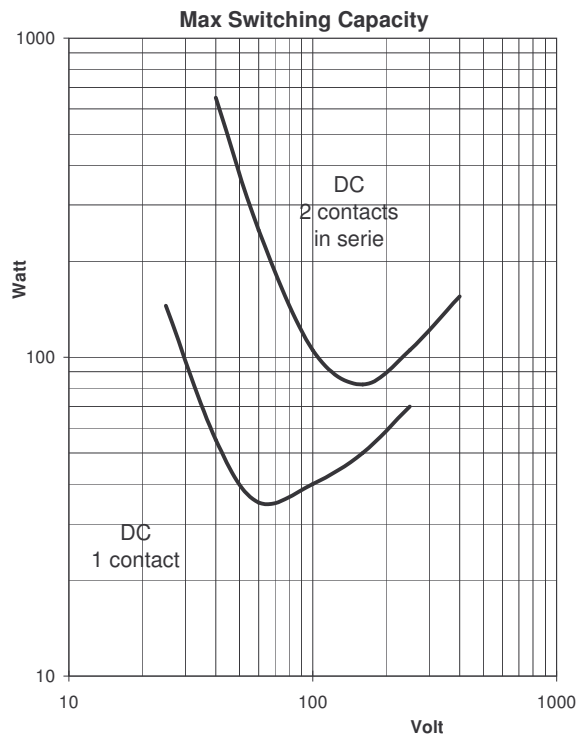
Type	U_{nom} (V) DC	$U_{adj, min}$ (V)	$U_{adj, max}$ (V)	Power consumption (W)
UMD-U201	24	18	30	< 0.3
UMD-U202	48	35	60	< 0.6
UMD-U203	72	55	90	< 0.8
UMD-U204	110	80	140	< 1.0
UMD-U205	96	70	120	< 1.0
UMD-U207	36	27	45	< 0.5
UMD-U215	220	150	260	< 1.6

Other voltages on request

Max. permissible continuous voltage	130 % U_{nom}
Max. permissible ripple	20%
Voltage-temperature factor	± 0.1 %/K
Repeat accuracy	± 2 %
Hysteresis	≤ 2 %
Delay time for pull in and drop out	approx. 0.2 s
Scale accuracy	± 2.5 %

Contact data			
Max. Make Current	15 A	Material	Ag + 0.2 µm Au
Max. Cont. Current	6 A (AC1 ; IEC 60947)	Contactgap	0.3 mm
Max. Breaking Capacity	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	Contactforce	> 20 cN
Max. Contact Resistance	15 m Ω	Note: contacts cannot have a different position. (Forced contacts, Weld no transfer)	

Maximum Switching Capacity and Contact life



General Data

Dielectric strength		
	Cont-Coil IEC 60077	2 kV, 50 Hz, 1 min
Pulse Withstanding	IEC 60255-5	5 kV (1.2/50 µs)
Vibration	IEC 60077 IEC 60571-1 IEC 60068-2-6	3 g at 50 Hz
Shock	IEC 60077	5 g at 50 Hz
Mechanical life		30*10 ⁶ ops
Max. Switching Frequency		1200 ops/h
Weight		130 g
Temperature	T _{amb,max} T _{amb,min}	+70 °C - 25 °C
Humidity		80%, condensation not permitted
Protection		IP 40
Materials		Makrolon Polyester

Australian Distributor



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