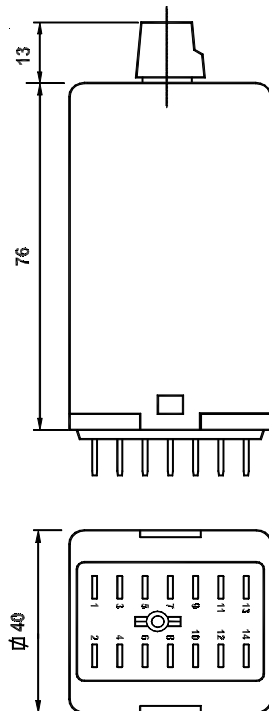


## Datasheet

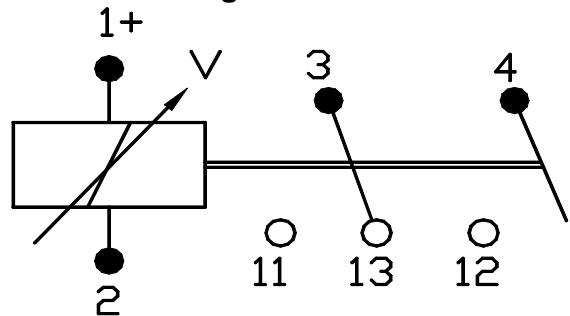
<b>Product</b>	<b>UMD</b> voltage monitoring relay	<b>Country of Origin:</b>
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### Dimensions



P.O. Box 7023  
3502 KA Utrecht  
The Netherlands  
T +31 (0)30-288 13 11  
F +31 (0)30-289 88 16  
E sales@nieaf-smitt.nl  
I www.nieaf-smitt.nl

### Connection Diagram



### Description

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

### Types

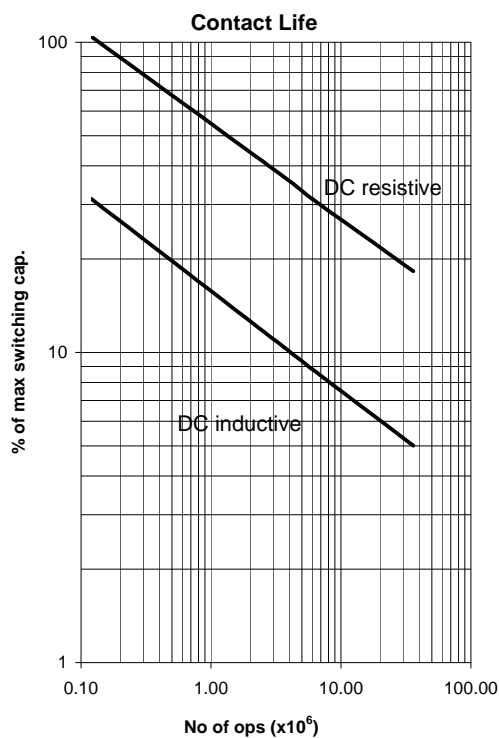
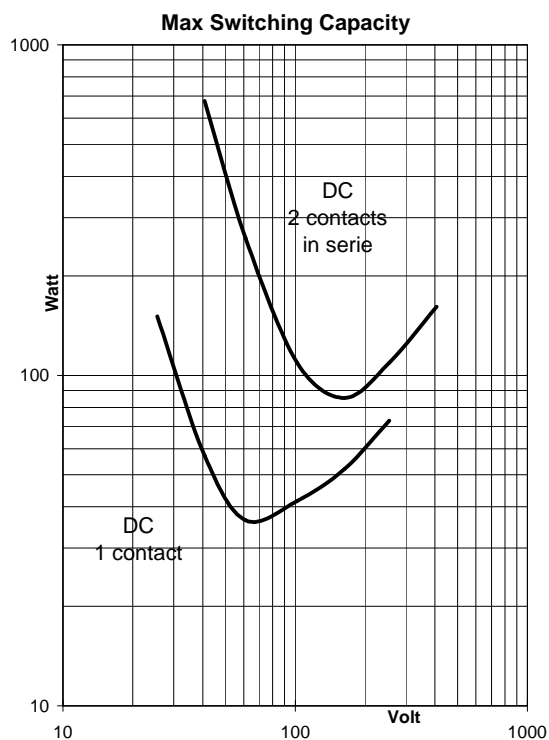
$U_{nom}$	Type	$U_{adj, min}$	$U_{adj, max}$	Consumption
240 VAC	UMD-C1	165 V	280 V	6.0 VA
220 VAC	UMD-1	150 V	260 V	6.0 VA
220 VDC	UMD-91	150 V	260 V	1.6 W
110 VAC	UMD-01	80 V	140 V	1.4 VA
110 VDC	UMD-81	80 V	140 V	1.0 W
48 VDC	UMD-61	35 V	60 V	0.6 W
24 VAC	UMD-41	18 V	30 V	0.6 VA
24 VDC	UMD-31	18 V	30 V	0.3 W

### Other voltages or times on request

#### Coil data

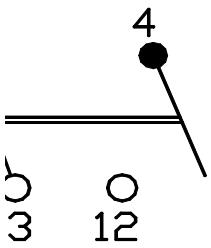
Max. permissible continuous voltage	130 % $U_{nom}$
Max. permissible ripple for DC-types	20%
Voltage-temperature factor	$\pm 0.1$ %/K
Repeat accuracy	$\pm 2$ %
Hysteresis	max 2 %
Delay time for pull in and drop out	approx. 0.2 s
Scale accuracy	$\pm 2.5$ %

Contact data		
Max. Make Current	15 A	Material
Max. Cont. Current	6 A (AC1 ; IEC 947)	Contactgap
Max. Breaking Capacity	DC 300 V, 300 mA	Insulation between open contacts
	AC 250 V, 2.6 A	
Min. Switching Voltage	4V/2mA/0.1W-VA	Note: contacts cannot have a closed position. (Forced contacts, We
Max. Contact Resistance	5 milli Ohm	
Maximum Switching Capacity and Contact life		



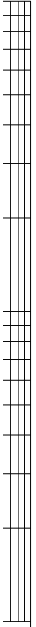
General Data		
Dielectric strength	Cont-Coil	IEC 77 2 kV, 50 Hz, 1 min
		IEC 255-5 5 kV ( 1.2/50 $\mu$ s )
Pulse Withstanding	IEC 77	3 g at 50 Hz
Vibration	IEC 571-1	
	IEC 68-2-6	
Shock	IEC 77	5 g at 50 Hz
Mechanical life		30*10 <sup>6</sup> ops
Max. Switching Frequency		1200 ops/h
Weight		130 g
Temperature	T <sub>amb,max</sub>	+50 °C
	T <sub>amb,min</sub>	0 °C
Humidity		80%, condensation not permitted
Protection		IP 50
Materials		Makrolon
		Polyester

The Netherlands



ontact.

**Ag + 0.2  $\mu$ m Au**  
**0.3 mm**  
**1 kV,**  
**50 Hz, 1 min**  
**> 20 cN**  
**different**  
**eld no transfer)**



100.00