

# Interface Technology - Microplug Relay Module

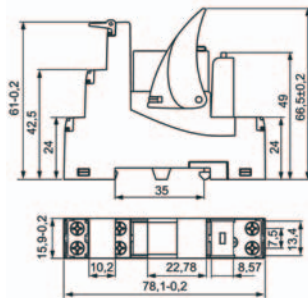
AC-Relay-Interface, 2 CO contact, pluggable

AC 400 V/DC 300 V, 8 A, 2000 VA

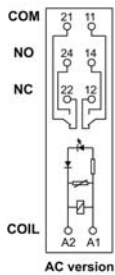
Screw terminal, Contact material: AgNi, AgNi + 5 µm HV



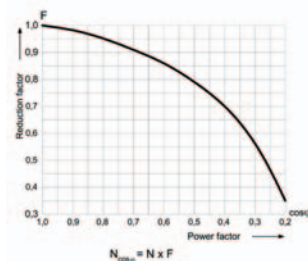
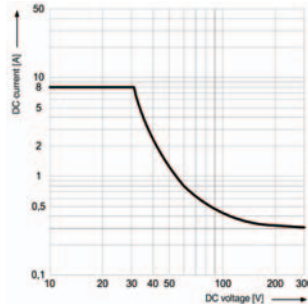
## Dimensions



## PIN assignment



## Limit curve



Description	Part-No.	Type	PU	
<b>Relay Module with AgNi</b>				
Rated voltage	AC 12 V	770050	REP-0050 2W AC 12 V	5
	AC 24 V	770051	REP-0051 2W AC 24 V	5
	AC 120 V	770056	REP-0056 2W AC 120 V	5
	AC 230 V	770047	REP-0047 2W AC 230 V	5
<b>Relay Module with AgNi + 5µm HV</b>				
Rated voltage	AC 12 V	770250	REP-0250 2W HTV AC 12 V	5
	AC 24 V	770251	REP-0251 2W HTV AC 24 V	5
	AC 120 V	770256	REP-0256 2W HTV AC 120 V	5
	AC 230 V	770247	REP-0247 2W HTV AC 230 V	5
<b>Input</b>				
	<b>AC 12 V</b>	<b>AC 24 V</b>	<b>AC 120 V</b>	<b>AC 230 V</b>
Input voltage range	9.6 – 14.0 V	19.2 – 28.2 V	96.0 – 144.0 V	184.0 – 276.0 V
Rated current	– mA			
Rated voltage	AC 12 V	AC 24 V	AC 120 V	AC 230 V
Power consumption	0.75 VA			
Interrupting voltage	<1.2 V	<2.4 V	<12 V	<23 V
Protection device	Varistor			
Max. length of connecting lead	–			
Status indication	LED green			
<b>Output</b>				
Contact type	2 change over contact			
Min. switching voltage	AC/DC 5 V			
Max. switching voltage	AC 400 V / DC 300 V			
Min. switching current	AgNi: AC/DC 5mA; AgNi+5µm HV: AC/DC 2mA			
Max. switching current	AC/DC 8 A			
Switching capacity AC 15	bei 24 V: 3.1 A; bei 230 V: 2 A			
Switching capacity DC 13	at 24 V: 2A; at 115 V: 300 mA, at 230 V: 150 mA			
Max. switching capacity	2000 VA			
Contact material	AgNi bzw. AgNi + 5 µm HV			
Mechanical service life	>3 x 10 <sup>7</sup> operations			
Switch-on delay	7 ms			
Switch-off delay	3 ms			
Clearance/creep. dist. (contol/load side)	Clearance distance: >10 mm; Creepage distance: >10 mm			
Rated insulation voltage (EN 50178)	AC 400 V (category C 250)			
<b>General</b>				
Housing material	PA6			
IP rating	IP 20			
Field installation	rail TS 35 (EN 50022)			
Insulation voltage input/output	5 kVeff			
Safe isolation	yes			
Operation temperature range	–40 °C – 70 °C			
Storage temperature range	–40 °C – 85 °C			
Dimensions (w x h x d)	15.9 x 78.1 x 66.5 mm			
Weight (kg/piece)	0.062			
Approvals	UL, CSA			
Termination	Screw terminal: 0.2–4.0 mm2			
<b>Accessories</b>				
	<b>Colour</b>	<b>Article number</b>	<b>Type</b>	<b>Pkg. units</b>
Relay socket		770900	RES-0900	10
Retainer / retractor clip		770901	REE-0901	10
Description plate		770902	REM-0902	10
Backup relay AC 12V		770926	RE2W-0926 AC12	10
Backup relay AC 12V HV		770927	RE2WHV-0927 AC12	10
Backup relay AC 24V		770928	RE2W-0928 AC24	10
Backup relay AC 24V HV		770929	RE2WHV-0929 AC24	10
Backup relay AC 110V		770930	RE2W-0930 AC120	10
Backup relay AC 110V HV		770931	RE2WHV-0931 AC120	10
Backup relay AC 230V		770924	RE2WHV-0924 AC230	10
Backup relay AC 230V HV		770925	RE2WHV-0925 AC230	10
Protecting module AC 6-24V		770913	PM91G.0913	10
Protecting module AC/DC 110-230V		770917	PM93G-0917	10

## Comments

Part-No. 770250–770247:

Hard gold-plated contacts: So that the gold layer is not damaged, the specified values are not permitted to be exceeded. At higher switching capacity, the gold layer vaporizes. The deposition in the housing can lead to sparkovers between the coil and contact.