

Interface Technology · Microplug Relay Module

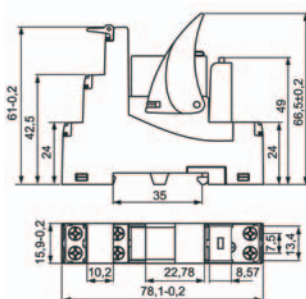
DC-Relay-Interface, 2 CO contact, pluggable

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

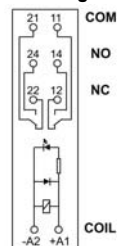
Screw terminal, Contact material: AgNi, AgNi 5 µm HV



Dimensions

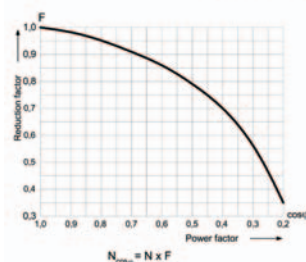
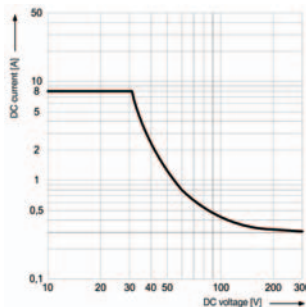


PIN assignment



DC version

Limit curve



Description		Part-No.	Type	PU
Relay Module with AgNi				
Rated voltage	DC 12 V	770040	REP-0040 2W DC 12 V	5
	DC 24 V	770041	REP-0041 2W DC 24 V	5
	DC 115 V	770046	REP-0046 2W DC 115 V	5

Relay Module with AgNi + 5µm HV				
Rated voltage	DC 12 V	770240	REP-0240 2W HTV DC 12 V	5
	DC 24 V	770241	REP-0241 2W HTV DC 24 V	5
	DC 115 V	770246	REP-0246 2W HTV DC 115 V	5

Input	DC 12 V	DC 24 V	DC 115 V
Input voltage range	8.4 – 15.6 V	16.8 – 31.2 V	77.0 – 143.0 V
Rated current	40.0 mA	20.0 mA	5.0 mA
Rated voltage	DC 12 V	DC 24 V	DC 115 V
Power consumption		0.48 W	
Interrupting voltage	<1.2 V	<2.4 V	<11 V
Protection device		Overload diode	
Max. length of connecting lead		–	
Status indication		LED green	

Output	
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 ⁷ 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)

General	
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 – 85 °C
Storage temperature range	-40 °C – 85 °C
Dimensions (w × h × d)	15.9 × 78.1 × 67.0 mm
Weight (kg/piece)	0.062
Approvals	UL, CSA
Termination	Screw terminal: 0.2–4.0 mm ²

Accessories	Colour	Article number	Type	Pkg. units
Relay socket		770900	RES-0900	10
Retainer / retractor clip		770901	REE-0901	10
Description plate		770902	REM-0902	10
Backup relay DC 12V		770918	RE2W-0918 DC12	10
Backup relay DC 12V HV		770919	RE2WHV-0919 DC12	10
Backup relay DC 24V		770920	RE2W-0920 DC24	10
Backup relay DC 24V HV		770921	RE2WHV-0921 DC24	10
Backup relay DC 110V		770922	RE2W-0922 DC120	10
Backup relay DC 110V HV		770923	RE2WHV-0923 DC120	10
Protecting module AC 6-24V		770911	PM41G-0911	10
Protecting module DC 110V		770916	PM43G-0916	10

Comments

Part-No. 770240–770246:

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.