

Relay Module



Identification	Type	RE6-2014
	Part-No.	762014
Use/Area of application		
Description	This universal-relay-coupler component is designed for the output-coupler level. The activation occurs via DC 24 V. There is a 250 V / 6 A common available on the load side for the switching of small to medium loads.	
Input		
Nominal voltage U_N	DC 24 V	
Voltage range	AC/DC 16.8 – 30.0 V	
Rated current (at U_N)	22 mA	
Status Indication	LED yellow	
Protection device	Bridge rectifier	
Rated insulation voltage	150 V	
	Contamination level 2	
	Over voltage category I	
Input voltage	<math>< 16.8 V</math>	
Interrupting voltage	<math>< 2.4 V</math>	
Load Side		
Switching voltage	AC/DC 1–250 V	
Switching current	AC/DC 0.001–6 A	
Switching capacity	AC/DC max. 1500 VA / see Load limit graph	
Protection device output	none	
Start-up peak	<math>< 4 ms</math> 16 A	
Switch-on delay	approx. 5 ms	
Switch-off delay	approx. 5 ms	
Contact material	AgSnO ₂ hard-gold-plated	
Capacity of HV	24 V / 10 mA	
Rated insulation voltage	250 V	
	Contamination level 2	
	Over voltage category I	

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Switching capacity for EN 60947-5-1

	AC-15	DC-13
24 V	3 A	1 A
115 V	3 A	0.2 A
230 V	3 A	0.1 A

Bounce time approx. 5 ms

General

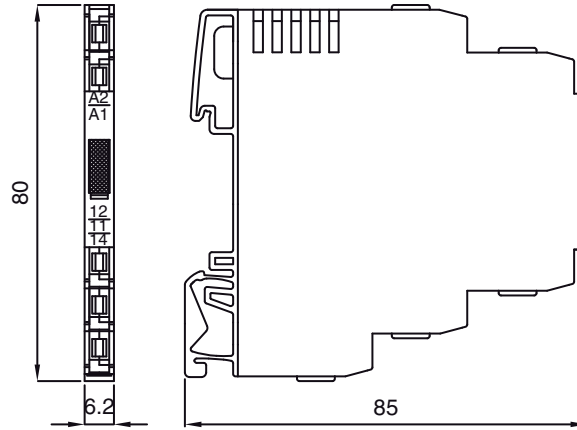
Termination	spring terminal: single stranded 0.08 – 2.5 mm ² ; fine stranded 0.08 – 2.5 mm ²
Clearance/creep. dist. (contol/load side)	>5.5 mm
Safe isolation	Yes.
Rated insulation voltage	300 V
	Contamination level 2 Over voltage category III Standing surge voltage 6 kV
Contact type	change over contact
Transmission frequency	(at 50 % ED) <360 / h
Mechanical service life	> 20 x 10 ⁶ operations
Housing material	PPE + PS-FR
Operation temperature range	-40 – 70 °C
Storage temperature range	-40 – 80 °C
Dimensions (w x h x d)	6.2x80.0x85.0 mm
Weight (kg/piece)	0.025 (kg/piece)
Standards	Electronic equipment on railway vehicles: EN 50155 Electromagnetic compatibility: EN 50121-3-2 Insulation coordination: EN 50124-1 Vibrations and shocks: EN50155/61373
	The standard applicable to this product is dependent on the version available for development. The standards applicable to this product are available on request.
Form	6.2 mm Microcompact
Protection class	IP 20

Miscellaneous

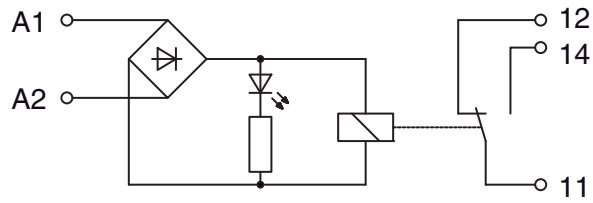
Comments	Inductive loads must be wired with a suitable suppressor element! When the module has been used once over the power limit of the hard gold plating it can no longer be used in the switching range below the power limit.
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Dimensions



Circuit diagram



Diagrams

