

Relay Module



Identification	Type	RE 7-2333 1W / FK DC 36V
	Part-No.	762333
Product version		
Datasheet version		00
Use/Application/Properties		
Description	This universal-relay-coupler component is designed for the output-coupler level. The activation occurs via DC 36 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	DC 36 V	
Voltage range	DC 25.2 – 45.0 V	
Rated current (at U_N)	12 mA	
Status indication LED	LED yellow	
Input voltage	<25.2 V	
Interrupting voltage	>3.6 V	
Load Side		
Switching voltage	AC/DC 1 – 250 V	
Min. switching voltage	AC/DC 1 V	
Max. switching voltage	AC/DC 250 V	
Switching current	AC/DC 0.001 – 6 A	
Min. switching current	AC/DC 1 mA	
Max. switching current	AC/DC 6 A	
Switching capacity	AC/DC max. 1500 VA / see Load limit graph	
Protection device output	none	
Inrush peak current	<4 ms 16 A	
Switch-on delay	approx. 6 ms	
Switch-off delay	approx. 6 ms	
Contact material	AgSnO ₂ hard-gold-plated	
Capacity of hard-gold-plating	24 V / 10 mA	

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Switching capacity according to 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

Switching frequency (at 50 % ED) <360 / h
Bounce time ca. 3 ms

General

Termination	Spring terminal 0.5–1.5 mm ² Stripping Length: 10 mm Screwdriver: 3,5 x 0,6 mm
Installation position	As desired In the case of a vertical normal position an end holder must be fitted on the first and last devices.
Clearance/creep. dist. (control/load side)	>5.3 mm (protective separation)
Rated insulation voltage	AC/DC 300 V between control- and load side AC/DC 250 V open contacts (functional insulation) Pollution degree PD 2 Over voltage category OV 2
Contact type	1 change over contact
Transmission frequency	(at 50 % ED) <360 / h
Mechanical service life	10 x 10 ⁶ operations
Housing material	PPE
Color	RAL 7035
Operation temperature range	-40 °C – 70 °C (+85 °C 10 min)
Storage temperature range	-40 °C – 85 °C
Dimensions (w x h x d)	6.2 x 90.0 x 92.5 mm
Weight (kg/piece)	0.035 kg/piece
Fire protection	EN 45545-2 Requirements for fire behaviour of materials and components
Form	Microcompact

Standards

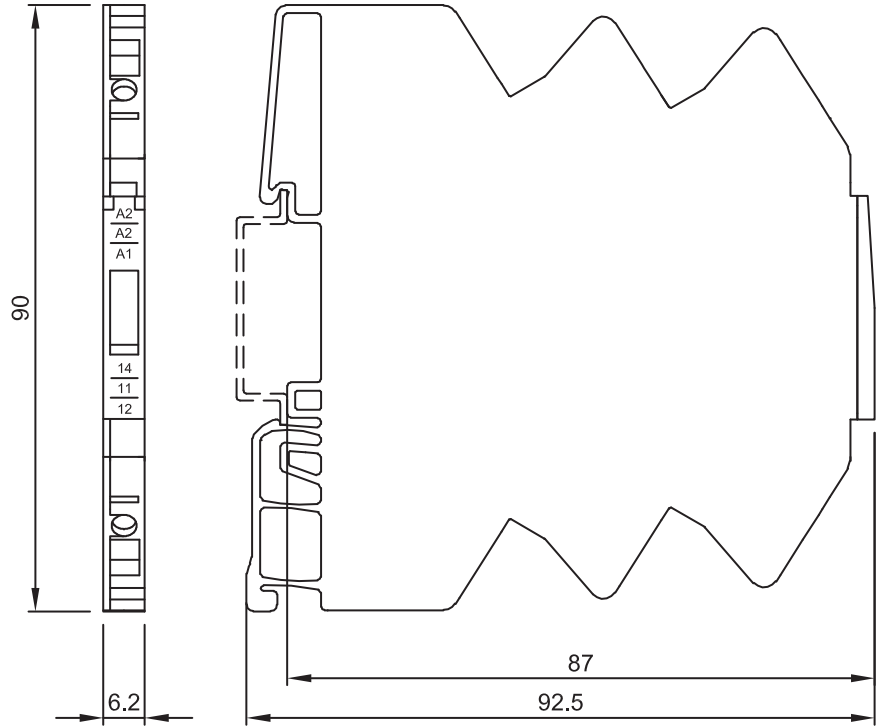
EN 50155:2007-07
Railway applications – Electronic equipment used on rolling stock
EN 50121-3-2:2006-07
Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus
EN 50124-1:2001-03
Railway applications – Insulation coordination – Part 1: Basic requirements, Clearances and creepage distances for all electrical and electronic equipment
EN 61373:2010-09
Railway applications – Rolling stock equipment – Shock and vibration tests
HN_Isolationsprüfung:2012-02
Company standard insulation testing

Miscellaneous

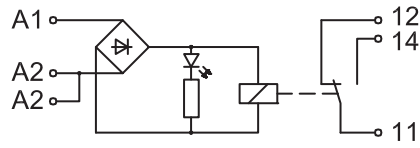
Comments Inductive loads must be wired with a suitable suppressor element! When the module has been used once over the power limit of the hard gold plating it can no longer be used in the switching range below the power limit.

Relay Module

Dimensions



Circuit diagram



Limit curve

