

Relay module with positive-action contacts



Identification	Type Part-No.	RPE 6-6305 / FK DC 110V 716305
Product version		
Datasheet version	00	
Use/Application/Properties		
Description	Double relay module with positive-action contacts as per EN 50205 for safety switching circuits. Activated via DC 110 V. 4 NC contacts and 4 NO contacts 150 V / 5 A per channel are available for switching small to medium loads.	
Input		
Nominal voltage U_N	DC 110 V	
Voltage range	DC 77.0 – 137.5 V	
Rated current (at U_N)	14 mA / channel	
Status indication LED	1 LED yellow / channel	
Protection device	Free-wheeling diode and reverse diode	
Output		
Switching voltage	AC/DC 5 – 150 V	
Min. switching voltage	5 V	
Max. switching voltage	150 V	
Switching current	AC/DC 0.01 – 5 A	
Min. switching current	0.01 A	
Max. switching current	5 A	
Switching capacity	750 VA (50 W)	
Contact material	AgSnO ₂ + 0.2 μm Au	
Termination	Spring terminal 0.08–2.5 mm ² Stripping Length: 5 – 6 mm Screwdriver: 3,5 × 0,5 mm	
General		

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Termination	Spring terminal 0.08–2.5 mm ² Stripping Length: 8 – 9 mm Screwdriver: 3,5 × 0,5 mm
Installation position	Optional
Clearance/creepage dist. (control/load side)	between coil and output side >7 mm (protective separation)
short circuit protection	1000 A, SCPD 10 A function class gG (back-up fuse)
Rated insulation voltage	150 V
Contact type	Contamination level PD2 4 NC contact, 4 NO contact (positively driven EN 50205, Type A)
Mechanical service life	approx. 10 × 10 ⁶ operations
Housing material	PA
Operation temperature range	-40 °C ... +70 °C (+85 °C 10 min)
Storage temperature range	-40 °C ... 85 °C
Dimensions (w × h × d)	91.5 × 111.0 × 56.0 mm
Weight (kg/piece)	0.290 kg/piece
Fire protection	EN 45545-2 Requirements for fire behaviour of materials and components
Form	Varioprint
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP 20

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

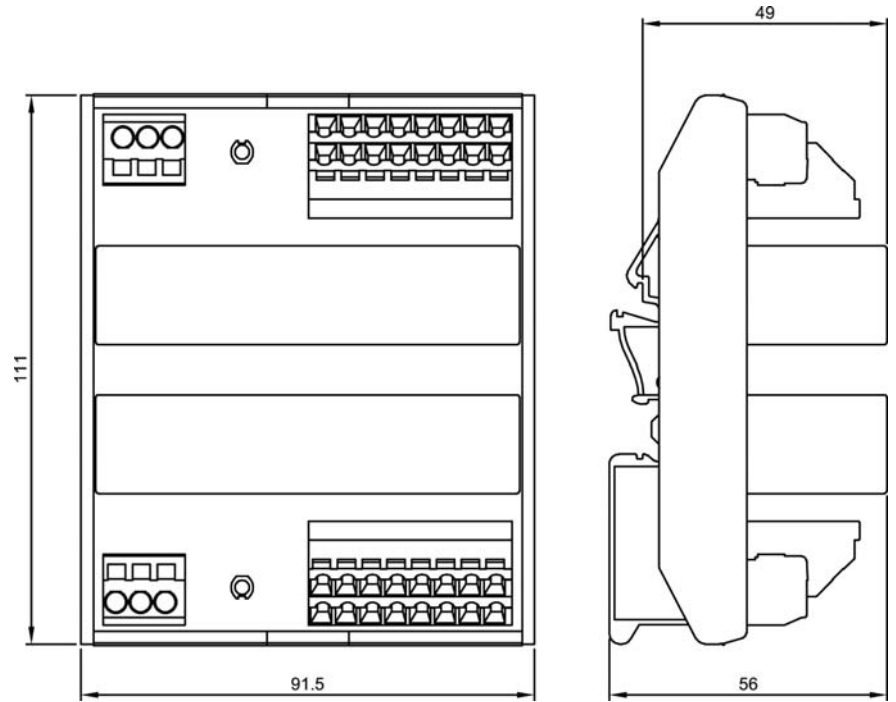
Railway applications – Rolling stock equipment – Shock and vibration tests

HN_Isolationsprüfung:2012-02

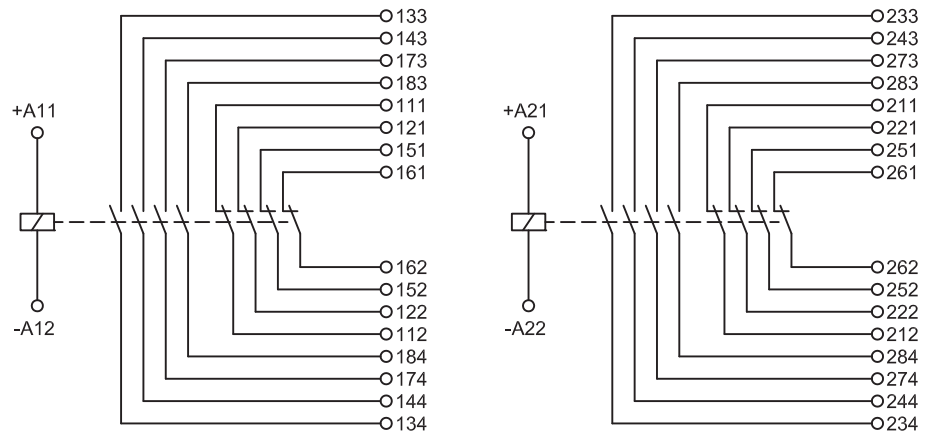
Company standard insulation testing

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Dimensions



Circuit diagram



Derating

