

Pluggable Module - Switching Relay

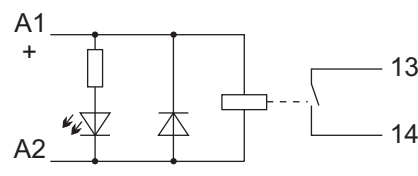
Front-entry , 1 make contact

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Data sheet



Similar photo



Description	Item-No.	Pack.-unit pcs
Switching relay for medium switching power	286-364/004-000	1
- Relay module with miniature switching relay 1 make contact. - Extended input voltage and temperature range for railway applications. - Installation on terminal block for pluggable module.	Technical Data	
The relay modules meet the requirements for an extended input voltage and temperature range in accordance with DIN EN 50155 / VDE 0115 part 200, "Railway applications. Electronical traction equipment". They can be used on vehicles operated with alternating current having a supply from the catenary via a transformer with battery charger and battery. The constant deviation from the operating voltage can, in this case, vary between -30 % and +25 %. The temperature range extended to 70 °C corresponds to the maximum air temperature range in inner rooms of vehicles and housings located unprotected in the open air.	Contact material	AgSnO ₂
	Input nominal voltage U _N	DC 24 V
	Input voltage range	U _N -30 %...+25 %
	Current input at U _N	
	(coil 20 °C)	10 mA
	Max. switching voltage	AC 250 V
	Max. continuous current	5 A modules not in a row
		3 A modules in a row (see diagram)
	Max. breaking power	
	(resistive)	AC 1250 VA
	(resistive)	DC see load limiting value graph
	Recommended min. load	≥100 mA / AC/DC 12 V
	Pull-in/operating power	140 mW / 280 mW
	Pull-in/dropout/bounce time _{typ}	5 ms / 4 ms / 5 ms
	Operating at normal rating	100 % continuous duty
	Dielectric strength	
	contact/ coil	2.5 kV
	open contact	1 kV
	Nominal voltage acc. to VDE 0110 / Part1/ 4.97	
	IEC 60664-1	250 V / 4 kV / 3
Mechanical life	5 x 10 ⁶ switching operations	
at max.load (resistive)	5 x 10 ⁴ switching operations	
Ambient operating temperature	-25 °C...+70 °C	
Storage temperature	-40 °C...+70 °C	
Module dimensions (W x H)	(10 x 82,5*) mm / (0.394 x 3.25*) in	
	* from upper edge of DIN 35 rail	

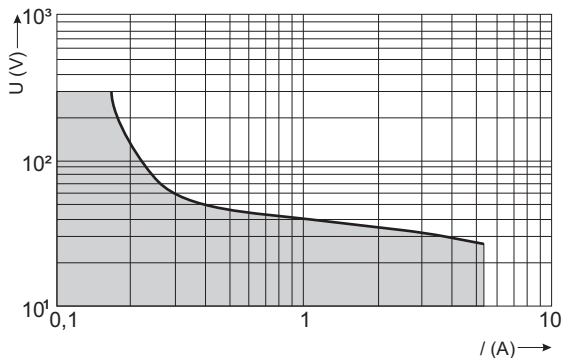
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Front-entry , 1 make contact

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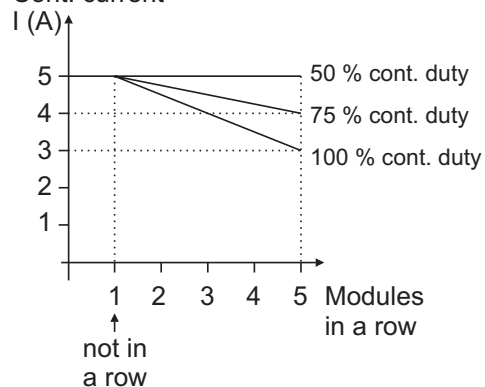
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Load limiting value graph



Power diagram

Cont. current



Note: Inductive loads have to be attenuated by an appropriate protective circuit in order to protect relay coils and contacts!

Standards / prescriptions	DIN VDE 0115 Part 200
	DIN VDE 0160 and IEC 60255
	DIN VDE 0435 (corresponding parts)
	DIN EN 50155

Accessories

Terminal block	280-608
Dimensions (W x D)	(12 x 73) mm / (0.472 x 2.874) in