



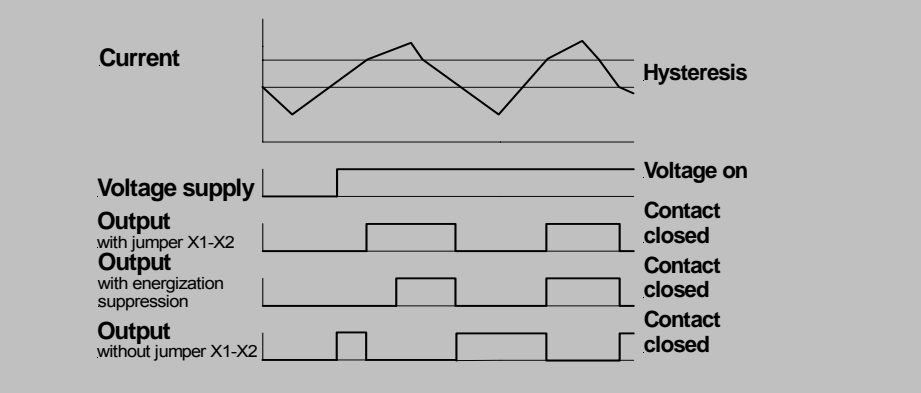
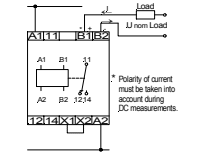
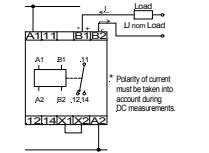
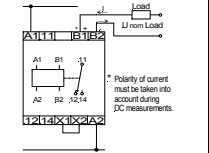
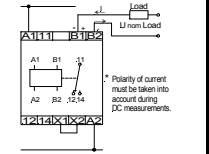


Current relay

				
Type	RS-185-4	RS-186-4	RS-187-4	RS-188-4
Function/ output contact	Current relay 1 change-over contact	Current relay 1 change-over contact	Current relay 1 change-over contact	Current relay 1 change-over contact
Basic wiring diagram/ pulse schedule				
Wiring diagram				
LED	2 LED	2 LED	2 LED	2 LED
Voltage supply	24 V AC/DC * 24 V AC 42-48 V AC 110-127 V AC 230 V AC * without electrical isolation	24 V AC/DC * 24 V AC 42-48 V AC 110-127 V AC 230 V AC * without electrical isolation	24 V AC/DC * 24 V AC 42-48 V AC 110-127 V AC 230 V AC * without electrical isolation	24 V AC/DC * 24 V AC 42-48 V AC 110-127 V AC 230 V AC * without electrical isolation
other attributes	Energization suppression: yes (approx. 8 s) Adjustable hysteresis: yes (5-50%)	Energization suppression: yes (approx. 8 s) Adjustable hysteresis: no, hysteresis fixed (10%)	Energization suppression: no Adjustable hysteresis: yes (5-50%)	Energization suppression: no Adjustable hysteresis: no, hysteresis fixed (10%)
	current range: 2 - 20 mA 10 - 100 mA 0.1 - 1 A 0.3 - 3 A 0.5 - 5 A 1 - 10 A	Input resistance: 2.5 Ω 500 mΩ 50 mΩ 16 mΩ 10 mΩ 5 mΩ	Overload capacity continuous duty: max. 3 s: 400 mA 600 mA 1 A 2 A 3.5 A 7 A 7 A 15 A 12 A 25 A 18 A 36 A	
Method of operation	<p>These devices are current relays for monitoring AC or DC. They can be used for various control and monitoring tasks in electrical systems, e.g. overload protection for electric drives, valves, welding equipment, emergency power supplies as well as other electrical loads and generators.</p> <p>The devices are ready for operation upon applying an exciting voltage to terminals A1 and A2. The input circuit is connected to terminals B1 and B2. The polarity must be taken into account in the case of DC monitoring [(+) at B1 and (-) at B2]. The relay function can be programmed via a jumper X1-X2. When a jumper is fitted, the output relay is in the off position, i.e. the relay attracts in the case of an excess current. Without a jumper the function is reversed.</p> <p>The value to be set at the current relay is related to:</p> <ul style="list-style-type: none"> • The direct current applied to B1/B2 in the case of DC, • the effective value of the sine-wave alternating current applied to B1/B2 for AC measurements. <p>The types RS-185-4 and RS-186-4 have an additional energization suppression. The energization currents, which can reach several times the nominal value, are suppressed following an interruption in the power supply or upon switching on the device. They do not lead to a malfunction for a period of 8 s.</p> <p>With types RS-185-4 and RS-187-4, the switching point hysteresis can be varied between 5 and 50% of the value of the current set at the device. With types RS-186-4 and RS-188-4, with non-adjustable hystereses, this is approx. 10%.</p> <p>The on and off delay is approx. 0,1 s. Devices with 24V AC/DC exciting voltage have no electrical isolation in the device. Therefore, the test current source must be electrically isolated from the supply source.</p>			
Column	12	13	14	15