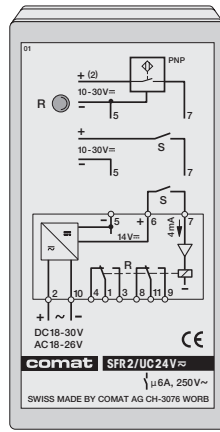
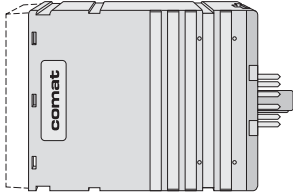


Amplifier relay SFR2



WHD(mm): 38x72x92(+9)

SFR2



Amplifier relay

Switching amplifier relay for PNP 3 wire sensors, NAMUR sensors according to DIN of 19234 or potential free contacts.
The device has a width of 38mm and is for plug-in to a 11-pin socket (IEC 67-1-18a).
The input wiring is specifically suitable for long incoming circuits.
Indication of triggering status by LED.
Robust relay output with two power changeover contacts for 6A, 250V.

Operating voltage

U_{nominal} **UC24V \approx**
U_{operational} AC 18-26V \approx ; DC 18-30V \approx
Frequency 50/60Hz
Consumption 2W

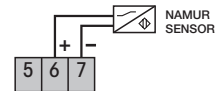
Output supply

DC output supply
Output voltage DC14V
Output current max. 4mA

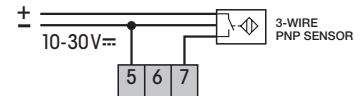


Triggering

NAMUR sensor
Not damped output active
Damped output inactive
Wire break output inactive

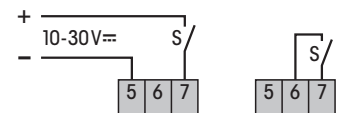


PNP three-wire sensor



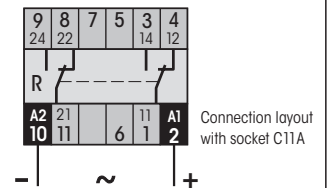
External power supply/contact

On-signal DC +10...+30V
Off-signal DC -10...+5V
Triggering current 7mA at DC24V
Parallel load energy 100V 10ms/1Hz



Output circuit

Contact μ 2 x U
Contact material AgNi
Switching voltage 12-250V
Switching current 6A
Switch rating AC1, DC1 1250VA, ... 150W
Switching cycle mechanical 30×10^6
Switching cycle electrical 1×10^5 / 6A, 250V
Triggering delay time 30...50ms
Releasing time 20...30ms
Switching frequency ≤ 12 Hz



General technical data

Range of temperature T_{operation} -25...+60° C
Range of temperature T_{stock} -40...+85° C
Galvanic isolation > 2kV (triggering to supply and output)
Standards/instructions CE; IEC 571, 255-4; EN 50082-2, 50081-1, 60065

Order no.

Amplifier relay

SFR2/UC24V