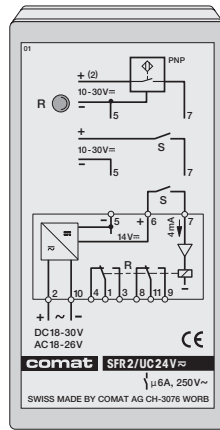
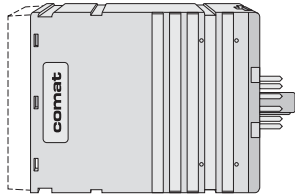


# Amplifier relay SFR2



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<sub>nominal</sub> **UC24V $\approx$**   
U<sub>operational</sub> AC 18-26V $\approx$ ; DC 18-30V $\approx$   
Frequency 50/60Hz  
Consumption 2W

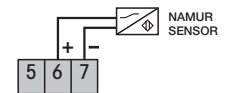
#### Output supply

**DC output supply**  
Output voltage DC 14V  
Output current max. 4mA

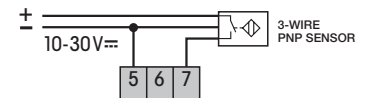


#### Triggering

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

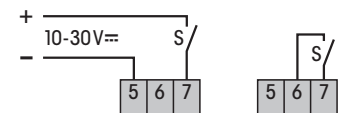


#### PNP three-wire sensor



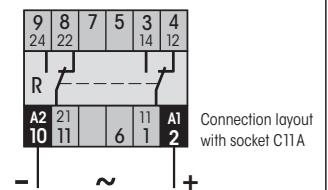
#### External power supply/contact

On-signal DC +10...+30V  
Off-signal DC -10...+5V  
Triggering current 7mA at DC 24V  
Parallel load energy 100V 10ms/1Hz



#### Output circuit

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



#### General technical data

Range of temperature T<sub>operation</sub> -25...+60° C  
Range of temperature T<sub>stock</sub> -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