

SA-OR – Output module



Applications

- Machine building industry
- Combustion plants
- SIL_{CL} 3 (EN 62061-1)
- PL e/Category 4 (EN ISO 13849-1)

Features

- Output module **SA-OR-S1**
 - 2 x 2 safe enabling with switching up to 230 V AC / 6 A
 - 2 x outputs 24 V DC / 50 mA
 - 2 x 1 feedback circuit (NC contact)
- Output module **SA-OR-S2**
 - 1 x 2 safe enabling with switching up to 230 V AC / 6 A
 - 1 x 1 potential-carrying safe output 24 V DC / 50 mA for signaling or safe logical operation
 - 1 x 1 feedback circuit (NC contact)

Overview of devices | part numbers

Type	Rated voltage	Terminals	Part no.	Std. pack
SA-OR-S1-4RK-A	24 V DC	Screw terminals, pluggable	R1.180.0080.0	1
SA-OR-S2-2RK-A	24 V DC	Screw terminals, pluggable	R1.180.0320.0	1
SA-OR-S1-4RK-C	24 V DC	Push-in terminals, pluggable	R1.180.0430.0	1
SA-OR-S2-2RK-C	24 V DC	Push-in terminals, pluggable	R1.180.0440.0	1

Technical data

Function display	3 or 2 LEDs, green
Input circuit B1, B2	
Input voltage range	18 V DC to 30 V DC
Electrical isolation power supply circuit – input circuit	no
Electrical isolation input circuit - output circuit	yes
Electrical isolation power supply circuit - output circuit	yes
Rated consumption	2.2 W to 1.1 W
Release delay	30 ms
Output circuits (relays)	
Switching voltage	230 V AC
Output current I _n per exit	6 A
Output circuits (Y14, Y24)	
Switching voltage	30 V DC
Output current I _n per exit	75 mA
General technical data	
Protection degree according to DIN 60529 (housing / terminals)	IP40 / IP20
Creepage distances and clearances	EN 60664-1
Ambient temperature / storage temperature	-25°C – +55°C / -25°C – +75°C
Standards	EN 61508, EN 62061, EN ISO 13849-1, EN 50156-1
Approvals	TÜV, cULus