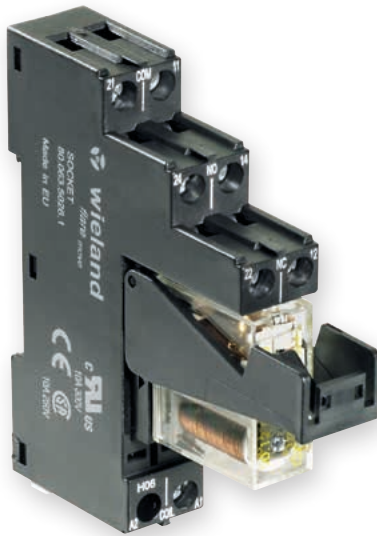


SNE 1

CONTACT EXPANSION



APPLICATIONS

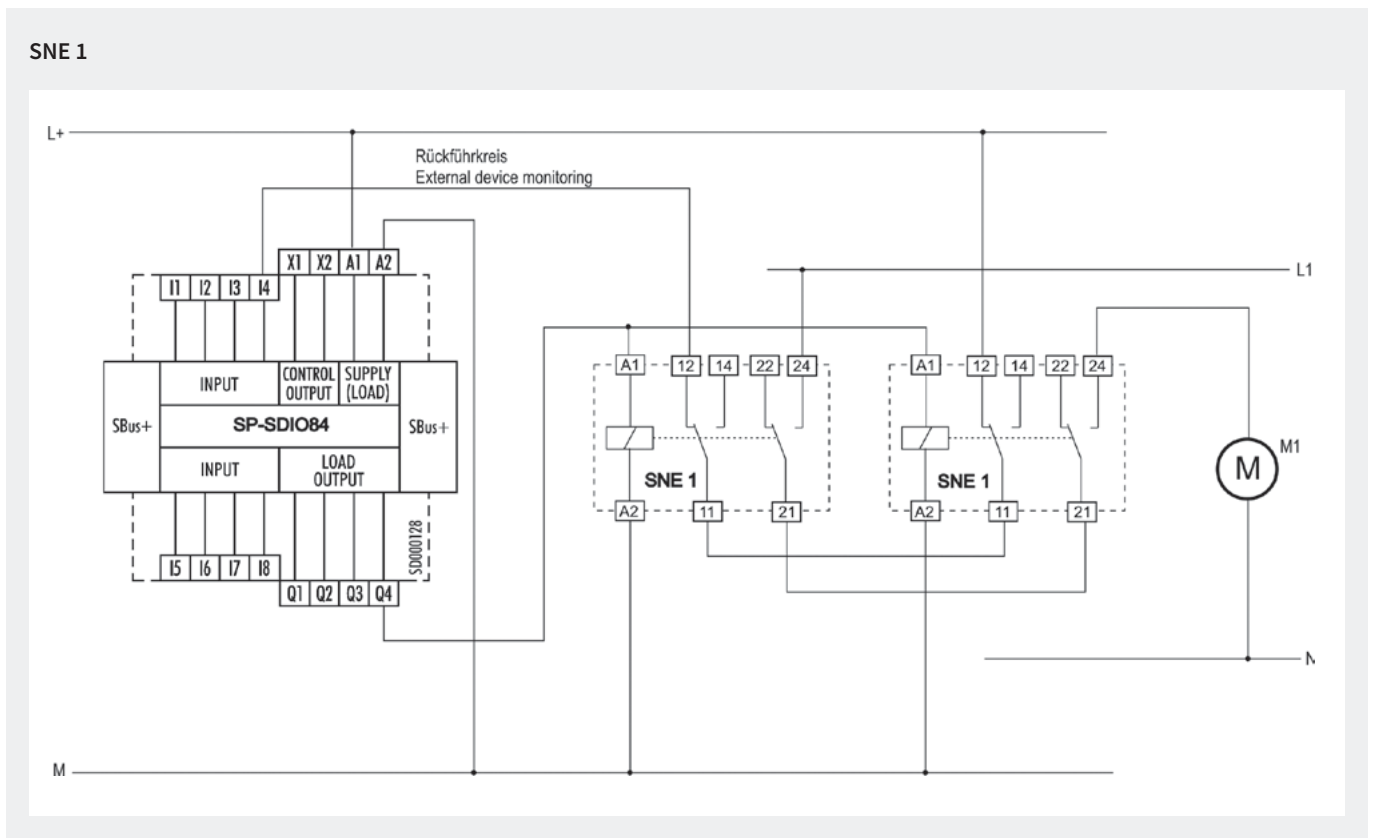
- Duplication of the enabling current paths of a basic device
- Contact expansion in safety-oriented systems
- Up to PL e / Category 4 (EN ISO 13849-1)*
- Up to SIL_{CL} 3 (EN 62061)*

FEATURES

- Stop Category 0 and 1 according to EN 60204-1
- Single-channel operation
- 2 changeover contacts (positively driven)
- Sturdy retaining bracket

* Depends on the category of the basic device or the safety control.

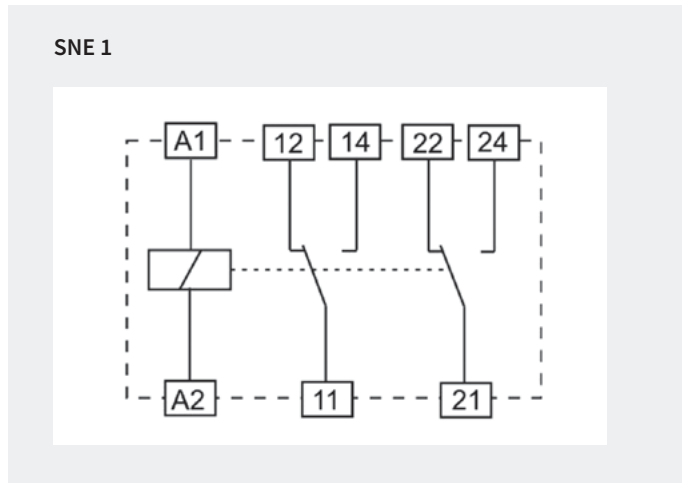
CIRCUIT DIAGRAM



OVERVIEW OF DEVICES | PART NUMBERS

Type	Rated voltage	Terminals	Part no.	P.U.
SNE 1	24 V DC	Screw terminals	R1.188.3950.0	1

CIRCUIT DIAGRAM



TECHNICAL DATA		
Function		Emergency stop expansion relay
Function display		none
Power supply circuit		
Rated voltage U_N	A1/A2	24 V DC
Rated consumption		0.7 W
Operating voltage range U_B		0.63 - 1.25 x U_N
Electrical isolation supply circuit - control circuit		yes
Control circuit		
Input current / peak current	A1/A2	ca. 29 mA
Response time t_{A1} / t_{A2}		12 ms
Release time t_R		< 20 ms
Output circuit		
Enabling paths	11/12/14, 21/22/24	changeover contact
Contact assignment		forceably guided
Contact type		Ag-alloy
Rated switching voltage		230 V AC, 24 V DC
Max. thermal current I_{th}		8 A
Max. total current I^2 of all current path	($T_u = 55^\circ\text{C}$)	72 A ²
Application category (NO)	AC-15	U_e 230 V, I_e 2 A
	DC-13	U_e 24 V, I_e 3 A
Short-circuit protection (NO), lead fuse / circuit breaker		6 A class gL / melting integral < 100 A ² s
Mechanical life		10 x 10 ⁶ switching cycles
General data		
Creepage distances and clearances between the circuits		EN 61810-5
Protection degree according to EN 60529 (housing / terminals)		IP20 / IP20
Ambient temperature / storage temperature		-40 °C - +70 °C / -40 °C - + 70
Wire range	fine-stranded / solid	0.25 mm ² - 4.0 mm ² (AWG 24-12) / 0.25 - 6.0 mm ² (AWG 24-10)
Permissible torque		0.5 Nm
Weight		0.06 kg
Standards		EN 50205 (Type B)
Approvals		cURus