



Interface Relays



51101

51152

52102

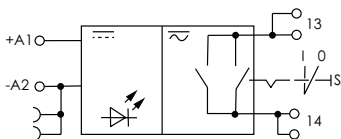
Murrelektronik Interface Relays are highly compact and lightweight relays especially useful where cabinet space is a consideration. Encased in a self-extinguishing plastic housing, these high quality relays offer a long useful life. Great for use with PLC automation systems, electric power plants, energy management systems, medium voltage panels, industrial machines, and more.

Features

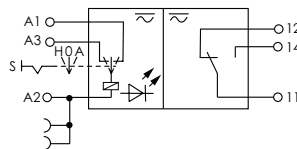
- 35mm DIN rail mount
- Status Indicator LED - Relay energized
- Wide range of coil voltage from 24 to 230 VDC/VAC
- High level of electromagnetic compatibility (EMC)
- Self-extinguishing plastic housing

Interface Relays							
Part Number	Price	Coil Voltage	Configuration	Contact Rating	Load Voltage	Action	Drawing Link
51101	\$25.75	24 VDC	SPST	3A	250 VAC/VDC	manual-auto toggle switch	PDF
51152	\$24.00	24 VAC/DC	SPDT	8A	250 VAC/VDC	H-O-A toggle switch	PDF
52102	\$17.25	24 VDC	DPDT	6A	250 VAC/VDC	—	PDF
52103	\$19.50	24 VAC/DC	DPDT	6A	250 VAC/VDC	—	PDF
52111	\$22.50	24 VAC/DC	DPDT	6A	250 VAC/VDC	—	PDF
52130	\$29.00	110 VAC/VDC	DPDT	6A	250 VAC/VDC	—	PDF
52140	\$39.00	230 VAC/VDC	DPDT	6A	250 VAC/VDC	—	PDF

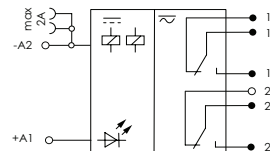
Wiring Diagrams



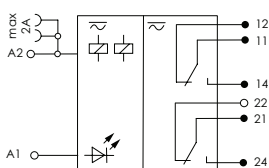
51101



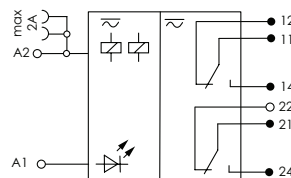
51152



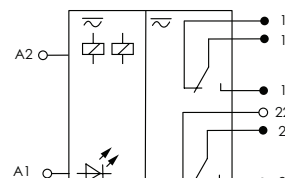
52102



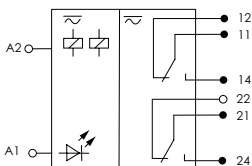
52103



52111



52130



52140

Interface Relay Specifications

Interface Relays Specification Table							
Input Specifications							
Part Number	51101	51152	52102	52103	52111	52130	52140
Nominal Voltage	24VDC	24 VAC/VDC 50/60 Hz	24VDC	24 VAC/VDC 50/60 Hz	24 VAC/VDC 50/60 Hz	110 VAC/VDC 50/60 Hz	230 VAC/VDC 50/60 Hz
Operating Voltage Range	19.2–28.0 VDC	19.2–28.0 VAC/VDC	19.2–30.0 VDC	19.2–30.0 VAC/VDC	19.2–30.0 VAC/VDC	95.0–121 VAC/VDC	195.0–253.0 VAC/VDC
Power Consumption	AC	n/a	0.38 VA	n/a	0.48 VA	0.48 VA	0.8 VA
	DC	0.24 W	0.38 W	0.43 W	0.48 W	0.48 W	1W
Contact Specifications							
Type	SPST	SPDT	DPDT	DPDT	DPDT	DPDT	DPDT
Material	Silver Nickel (Ag Ni O ₂)	Silver Nickel (Ag Ni O ₂)	Silver Tin Oxide (Ag Sn O ₂)	Silver Tin Oxide (Ag Sn O ₂)	Silver Tin Oxide (Ag Sn O ₂)	Silver Tin Oxide (Ag Sn O ₂)	Silver Tin Oxide (Ag Sn O ₂)
Operate Time Max	10ms	10ms	15ms	15ms	15ms	15ms	15ms
Release Time Max	15ms	20ms	20ms	20ms	20ms	20ms	20ms
Wire Size Max	14 AWG (stranded) / 12 AWG (solid)						
Max Ratings	AC	3A/250 VAC 1250VA	8A/250 VAC 2000VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA
	DC	3A/250 VDC 240W	8A/250 VDC 240W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W
Minimum Load	100mA	100mA	100mA	100mA	1mA	100mA	5mA
Mechanical Life Time	10 x 10 ⁶ operations						
Electrical Life Time	6 x 10 ⁴ operations						
General Specifications							
Connection	Screw terminal (M3)						
Tightening Torque	0.2 N·m (+0.1)						
Ambient Temperature	-25°C to +60°C [-13°F to +140°F]	-25°C to +50°C [-13°F to +122°F]	-25°C to +60°C [-13°F to +140°F]	-25°C to +60°C [-13°F to +140°F]	-25°C to +60°C [-13°F to +140°F]	-25°C to +50°C [-13°F to +122°F]	-25°C to +60°C [-13°F to +140°F]
Storage Temperature	-40°C to +80°C [-40°F to +176°F]						
Protection Rating	IP20						
Mounting	35mm Din Rail						
Relay Indicator	Red LED	Red LED	Green LED	Green LED	Yellow LED	Green LED	Green LED
Weight (g [oz])	43.0 [1.51]	46.0 [1.62]	55 [1.91]	55 [1.91]	55 [1.91]	55 [1.91]	55 [1.91]
Agency Approvals and Standards	CE		CSA 1252427, cURus E140415, CE				

Interface Relays Accessories			
Part Number	Price	Description	Drawing Link
90962	\$13.00	Murrelektronik interface relay plug link, push-in type, 2-pole, gray. Package of 5. For use with Murrelektronik 51152 and 51101 interface relays.	PDF

