**MURR ELEKTRONIK**
stay connected

Interface Relays

Overview

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
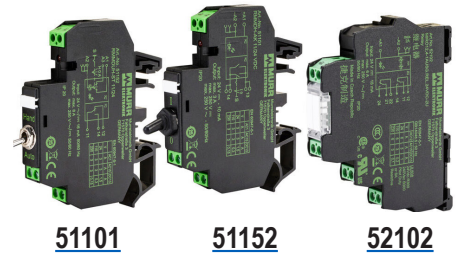
51101   **51152**   **52102**

Interface Relays							
Part Number	Price	Coil Voltage	Configuration	Contact Rating	Load Voltage	Action	Drawing Link
51101	$29.50	24 VDC	SPST	3A	250 VAC/VDC	manual-auto toggle switch	PDF
51152	$27.00	24 VAC/VDC	SPDT	8A	250 VAC/VDC	H-O-A toggle switch	PDF
52102	$19.50	24 VDC	DPDT	6A	250 VAC/VDC	–	PDF
52103	$22.50	24 VAC/VDC	DPDT	6A	250 VAC/VDC	–	PDF
52111	$25.50	24 VAC/VDC	DPDT	6A	250 VAC/VDC	–	PDF
52130	$32.50	110 VAC/VDC	DPDT	6A	250 VAC/VDC	–	PDF
52140	$44.00	230 VAC/VDC	DPDT	6A	250 VAC/VDC	–	PDF

Wiring Diagrams

51101

51152

52102

52103

52111

52130

52140

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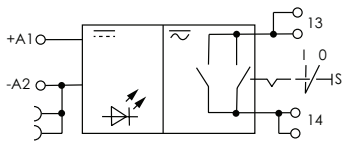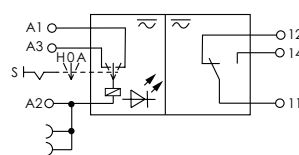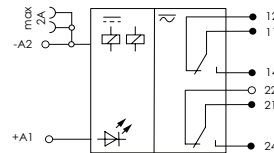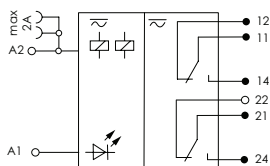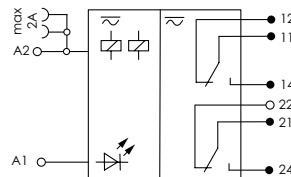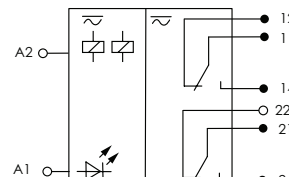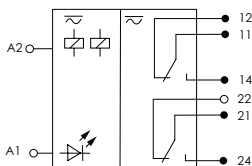
Interface Relays Specifications

Interface Relays Specifications							
Part Number	*51101*	*51152*	*52102*	*52103*	*52111*	*52130*	*52140*
Input Specifications							
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	1VA
Power Consumption DC	0.24 W	0.38 W	0.43 W	0.48 W	0.48 W	0.8 W	1W
Contact Specifications							
Type	SPST	SPDT	DPDT	DPDT	DPDT	DPDT	DPDT
Material	Silver Nickel (Ag Ni 015)	Silver Nickel (Ag Ni 015)	Silver Tin Oxide (Ag Sn 02)	Silver Tin Oxide (Ag Sn 02)	Silver Tin Oxide (Ag Sn 02)	Silver Tin Oxide (Ag Sn 02)	Silver Tin Oxide (Ag Sn 02)
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	6A/250 VAC 1500VA
Max Ratings 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	6A/250 VDC 120W
Minimum Load	100mA	100mA	100mA	100mA	1mA	100mA	5mA
Mechanical Life Time	10×10^6 operations						
Electrical Life Time	6×10^4 operations						
General Specifications							
Connection	Screw terminal (M3)						
Tightening Torque	0.2 N·m (+0.1)						
Ambient Temperature	-25 to +60°C [-13 to +140°F]	-25 to +50°C [-13 to +122°F]	-25 to +60°C [-13 to +140°F]	-25 to +60°C [-13 to +140°F]	-25 to +60°C [-13 to +140°F]	-25 to +50°C [-13 to +122°F]	-25 to +60°C [-13 to +140°F]
Storage Temperature	-40 to +80°C [-40 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				

* To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Interface Relays Accessories		
Part Number	**Price**	**Description**
90962	$15.00	Murrelektronik interface relay plug link, push-in type, 2-pole, gray. Package of 5. For use with MurrElektronik 51152 and 51101 interface relays.

90962