



# Slim Interface Relays

Murrelektronik Slim 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.



52007

52010

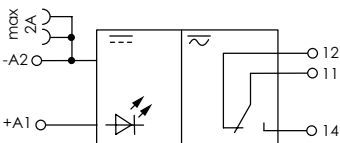
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## Features

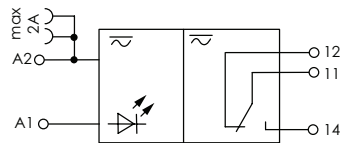
- 35mm DIN rail mount
- Slim 6.2 mm design
- Finger safe
- Status Indicator LED - Relay energized
- DC and AC supply voltage options

Slim Interface Relays							
Part Number	Price	Coil Voltage	Configuration	Contact Rating	Load Voltage	Action	Drawing Link
52000	\$9.50	24 VDC	SPDT	6A	250 VAC/VDC	-	PDF
52001	\$9.75	24 VAC/DC	SPDT	6A	250 VAC/VDC	-	PDF
52003	\$12.75	24 VAC/DC	SPDT	6A	250 VAC/VDC	-	PDF
52007	\$39.00	24 VAC/DC	SPST	6A	250 VAC/VDC	H-O-A toggle switch	PDF
52010	\$14.25	24 VAC/DC	SPDT	6A	250 VAC/VDC	isolation disconnect	PDF
52030	\$14.50	110 VAC/VDC	SPDT	6A	250 VAC/VDC	-	PDF
52040	\$15.00	230 VAC/VDC	SPDT	6A	250 VAC/VDC	-	PDF
52050	\$11.25	12 VDC	SPDT	6A	250 VAC/VDC	-	PDF

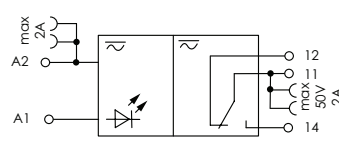
## Wiring Diagrams



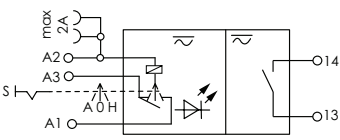
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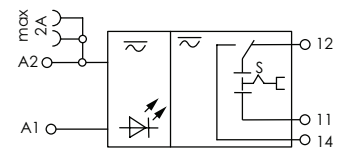
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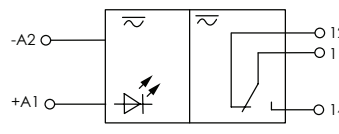
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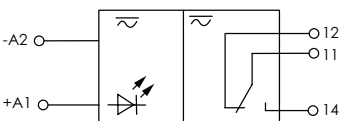
52007



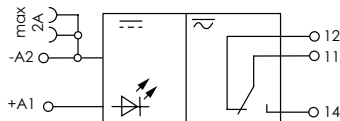
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52040



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# Slim Interface Relay Specifications

Slim Interface Relays Specification Table								
Input Specifications								
<b>Part Number</b>	<b>52000</b>	<b>52001</b>	<b>52003</b>	<b>52007</b>	<b>52010</b>	<b>52030</b>	<b>52040</b>	<b>52050</b>
<b>Nominal Voltage</b>	24VDC	24 VAC/VDC 50/60 Hz	24 VAC/VDC 50/60 Hz	24 VAC/VDC 50/60 Hz	24 VAC/VDC 50/60 Hz	110 VAC/VDC 50/60 Hz	230 VAC/VDC 50/60 Hz	12VDC
<b>Operating Voltage Range</b>	19.2–30.0 VDC	19.2–30.0 VAC/VDC	19.2–30.0 VAC/VDC	19.2–26.4 VAC/VDC	19.2–30.0 VAC/VDC	95.0–121 VAC/VDC	195.0–253.0 VAC/VDC	10.0–15.0 VDC
<b>Power Consumption</b>	<b>AC</b>	n/a	0.4 VA	0.4 VA	0.34 VA	0.35 VA	0.45 VA	0.65 VA
	<b>DC</b>	0.35 W	0.4 W	0.4 W	0.34 W	0.35 W	0.45 W	0.65 W
Contact Specifications								
<b>Type</b>	SPDT	SPDT	SPDT	SPST	SPDT	SPDT	SPDT	SPDT
<b>Material</b>	Silver Tin Oxide (Ag Sn O <sub>2</sub> )							
<b>Operate Time Max</b>	8ms	8ms	8ms	8ms	8ms	8ms	12ms	8ms
<b>Release Time Max</b>	20ms	20ms	10ms	20ms	20ms	20ms	20ms	20ms
<b>Wire Size Max</b>	14AWG (stranded) / 12AWG (solid)							
<b>Max Ratings</b>	<b>AC</b>	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA	6A/250 VAC 1500VA
	<b>DC</b>	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W	6A/250 VDC 120W
<b>Minimum Load</b>	100mA	100mA	1mA	100mA	100mA	10mA	100mA	10mA
<b>Mechanical Life Time</b>	10x10 <sup>6</sup> operations							
<b>Electrical Life Time</b>	6x10 <sup>4</sup> operations							
General Specifications								
<b>Connection</b>	Screw terminal (M3)							
<b>Tightening Torque</b>	0.2 N·m (0.1)							
<b>Ambient Temperature</b>	-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]			
<b>Storage Temperature</b>	-40°C to +80°C [-40°F to +176°F]							
<b>Protection Rating</b>	IP20							
<b>Mounting</b>	35mm Din Rail							
<b>Relay Indicator</b>	Green LED							
<b>Weight (g [oz])</b>	35.0 [1.23]							
<b>Agency Approvals and Standards</b>	CSA 1252427, cURus E140415, CE							

Interface Relays Accessories			
Part Number	Price	Description	Drawing Link
<a href="#">90963</a>	\$7.50	Murrelektronik interface relay jumper, push-in type, 2-pole, gray. Package of 5. For use with MurrElektronik relays with 6.2mm spacing.	PDF
<a href="#">90978</a>	\$17.25	Murrelektronik interface relay jumper, push-in type, 10-pole, blue. Package of 5. For use with MurrElektronik relays with 6.2mm spacing.	PDF
<a href="#">90979</a>	\$24.00	Murrelektronik interface relay jumper, push-in type, 10-pole, red. Package of 5. For use with MurrElektronik relays with 6.2mm spacing.	PDF

