



Slim Interface Relays

Overview

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.

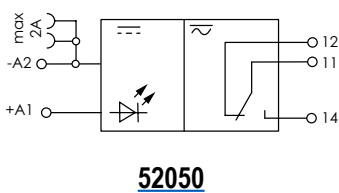
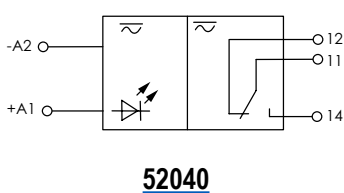
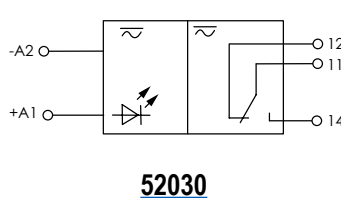
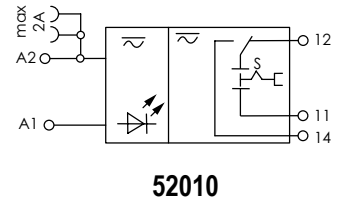
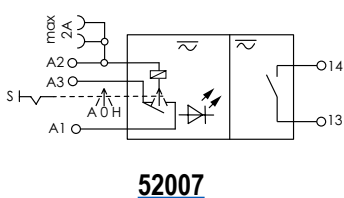
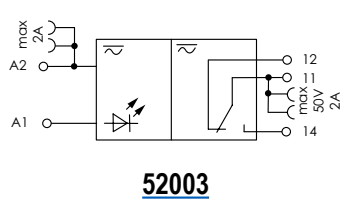
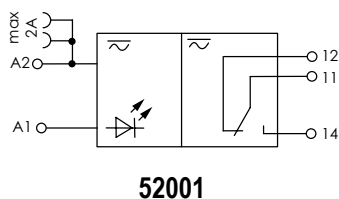
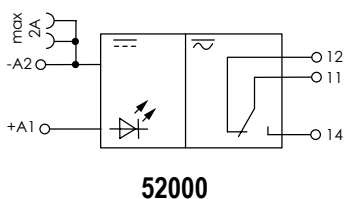
Features

- 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	\$11.00	24 VDC	SPDT	6A	250 VAC/VDC	-	PDF
52001	\$11.00	24 VAC/VDC	SPDT	6A	250 VAC/VDC	-	PDF
52003	\$14.50	24 VAC/VDC	SPDT	6A	250 VAC/VDC	-	PDF
52007	\$44.00	24 VAC/VDC	SPST	6A	250 VAC/VDC	H-O-A toggle switch	PDF
52010	\$16.50	24 VAC/VDC	SPDT	6A	250 VAC/VDC	isolation disconnect	PDF
52030	\$16.50	110 VAC/VDC	SPDT	6A	250 VAC/VDC	-	PDF
52040	\$17.00	230 VAC/VDC	SPDT	6A	250 VAC/VDC	-	PDF
52050	\$12.50	12 VDC	SPDT	6A	250 VAC/VDC	-	PDF

Wiring Diagrams



Slim Interface Relays Specifications

Slim Interface Relays Specifications									
Part Number	52000	52001	52003	52007	52010	52030	52040	52050	
Input Specifications									
Nominal Voltage	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	
Operating Voltage Range	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	
Power Consumption	AC	n/a	0.4 VA	0.4 VA	0.34 VA	0.35 VA	0.45 VA	0.65 VA	n/a
	DC	0.35 W	0.4 W	0.4 W	0.34 W	0.35 W	0.45 W	0.65 W	0.24 W
Contact Specifications									
Type	SPDT	SPDT	SPDT	SPST	SPDT	SPDT	SPDT	SPDT	SPDT
Material	Silver Tin Oxide (Ag Sn O ₂)								
Operate Time Max	8ms	8ms	8ms	8ms	8ms	8ms	12ms	8ms	
Release Time Max	20ms	20ms	10ms	20ms	20ms	20ms	20ms	20ms	
Wire Size Max	14AWG (stranded) / 12AWG (solid)								
Max Ratings	AC	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	6A/250 VAC 1500VA
	DC	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	6A/250 VDC 120W
Minimum Load	100mA	100mA	1mA	100mA	100mA	10mA	100mA	10mA	
Mechanical Life Time	10x10 ⁶ operations								
Electrical Life Time	6x10 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]			
Storage Temperature	-40°C to +80°C [-40°F to +176°F]								
Protection Rating	IP20								
Mounting	35mm DIN-rail								
Relay Indicator	Green LED								
Weight (g [oz])	35.0 [1.23]								
Agency Approvals and Standards *	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
90963	\$8.75	Murrelektronik interface relay jumper, push-in type, 2-pole, gray. Package of 5. For use with MurrElektronik relays with 6.2mm spacing.
90978	\$20.50	Murrelektronik interface relay jumper, push-in type, 10-pole, blue. Package of 5. For use with MurrElektronik relays with 6.2mm spacing.
90979	\$28.00	Murrelektronik interface relay jumper, push-in type, 10-pole, red. Package of 5. For use with MurrElektronik relays with 6.2mm spacing.

