

SOLID STATE RELAYS

- AC Voltage: Single Phase
- DC Voltage
- Load Diagnostic: Smart SSR
- Accessories






Selection Guide – SSR

Crouzet's Solid State Relays

A series of multipurpose Solid State Relays, in both panel mount and DIN Rail mount.

To switch DC loads from 10 to 40 A / 5 to 200 VDC, and switch AC loads from 25 A to 125 A / 24 to 660 VAC.

AC VOLTAGE: SINGLE PHASE

Type	Output		Input	Certifications
	Current	Voltage	Voltage	
 GNA Essential Version	25 A	24-280 VAC	4-32 VDC	cULus, CE, EAC*
	40 A	48-660 VAC		
	50 A			cULus, CE, EAC*, VDE
	90 A			
 GN Classic Version	10 A	24-280 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	10 A		20-265 VAC	cULus, CE, EAC*
	25 A	24-280 VAC	4-32 VDC	cULus, CE, EAC*
	25 A		18-36V AC/DC	
	25 A		20-265 VAC	
	25 A			
	25 A	48-660 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	25 A		20-265 VAC	cULus, CE, EAC*
	50 A	48-660 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	50 A		18-36V AC/DC	cULus, CE, EAC*
	50 A	20-265 VAC		
	75 A	48-660 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	75 A		20-265 VAC	cULus, CE, EAC*
	100 A	48-660 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	100 A		20-265 VAC	cULus, CE, EAC*
	125 A	48-660 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	125 A		20-265 VAC	cULus, CE, EAC*
	25 A	24-280 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	25 A		90-260 VAC	
	50 A	48-660 VAC	4-32 VDC	cULus, CE, EAC*, VDE
50 A	90-260 VAC			
75 A	48-660 VAC	4-32 VDC	cULus, CE, EAC*, VDE	
 GN+ Performance Version	25 A	12-270 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	25 A		20-260 VAC/DC	
	50 A	24-500 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	50 A		20-260 VAC/DC	
	90 A	24-500 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	90 A		20-260 VAC/DC	
	125 A	24-500 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	125 A		20-260 VAC/DC	



Solid State Relays Features

- Removable covers and output protection included
- Smart load diagnostic versions
- Resistive, Inductive and Capacitive loads



	Mounting	Switching	Usage (Load Type)	Comments	Designation	Part Number				
	Panel Mount "Hockey Puck"	Zero Cross	Resistive Loads: Heating	• To use in simple applications	GNA25DZL	84137910N				
GNA40DZH					84137450N					
GNA50DZH					84137460N					
GNA90DZH					84137480N					
	Panel Mount "Hockey Puck"	Zero Cross	Resistive Loads: Heating Lighting	• Output Protection Included (TVS)	GN10DZL	84137000N				
GN10AZL					84137001N					
GN25DZL					84137010N					
GN25CZL					84137012N					
GN25AZL					84137011N					
GN25DZH					84137110N					
GN25AZH					84137111N					
GN50DZH					84137120N					
GN50CZH					84137122N					
GN50AZH					84137121N					
GN75DZH					84137130N					
GN75AZH					84137131N					
GN100DZH					84137140N					
GN100AZH					84137141N					
GN125DZH					84137180N					
GN125AZH					84137181N					
					Panel Mount "Hockey Puck"	Random (Instantaneous)	Inductive Loads: Motion Miscellaneous (high inductive loads, very strong magnetising currents, overvoltages)	• Output Protection Included (RC Snubber)	GN25DRL	84137210N
GN25ARL									84137211N	
GN50DRL	84137320N									
GN50ARH	84137321N									
	Panel Mount "Hockey Puck"	Special Zero Cross	Resistive Loads: Heating Lighting Inductive Loads: Motion Miscellaneous Capacitive Loads: Miscellaneous	• Output Protection Included (VDR) • High Immunity (Level A) • Thermal Pad Included	GNP25DZL	84138010N				
GNP25UZL					84138013N					
GNP50DZM					84138120N					
GNP50UZM					84138123N					
GNP90DZM					84138150N					
GNP90UZM					84138153N					
GNP125DZM					84138180N					
GNP125UZM	84138183N									

SSR



AC VOLTAGE: SINGLE PHASE

Type	Output		Input	Certifications
	Current	Voltage	Voltage	
 GNR Classic Version	20 A	24-280 VAC	4-32 VDC	cULus, CE, EAC*
	20 A	48-660 VAC	4-32 VDC	
	20 A		80-140 VAC	
	20 A		180-280 VAC	
	30 A	48-660 VAC	4-32 VDC	cULus, CE, EAC*
	30 A		80-140 VAC	
	30 A		180-280 VAC	
	30 A	24-500 VAC	4-32 VDC	cULus, CE, EAC*, VDE
 GNR+ Performance Version	30 A	24-500 VAC	4-32 VDC	cULus, CE, EAC*, VDE
	30 A		180-280 VAC	
	32 A		4-32 VDC	
	45 A		4-32 VDC	cULus, CE, EAC*



DC VOLTAGE

Type	Output		Input	Certifications
	Current	Voltage	Voltage	
 GNAD Essential Version	10 A	5-200 VDC	4-32 VDC	cULus, CE
	20 A	5-100 VDC		
	40 A	5-55 VDC		
 GND Classic Version	10 A	5-200 VDC	4-32 VDC	cULus, CE
	40 A	5-60 VDC		

LOAD DIAGNOSTIC: SMART SSR

Type	Output		Input	Certifications
	Current	Voltage	Voltage	
 GN Smart Load Detection	50 A	24-600 VAC	4-32 VDC	cULus, CE
	35 A	50-265 VAC	8-30 VDC	
	50 A	150-510 VAC		
	75 A			
 GNR Smart Module Load Detection	40 A	-	4-32 VDC	CE, EAC*
	40 A		24-45 VDC	

ACCESSORIES

Type	Description	P/N
 Heatsinks For Panel Mount SSRs	0.9 °C/W Thermal Resistance	26532752N
	1.1 °C/W Thermal Resistance	26532753N
	1.2 °C/W Thermal Resistance	26532754N
	1.75 °C/W Thermal Resistance	26532755N
	2.2 °C/W Thermal Resistance	26532756N
 Adaptors For DIN Rail	DIN Rail Adapter for Single & Dual-Phase SSR	26532764N





* AVAILABLE SOON

	Mounting	Switching	Usage (Load Type)	Comments	Designation	Part Number
	DIN Rail 22.5mm	Zero Cross	Resistive Loads: Heating Lighting	· Output Protection Included	GNR20DCZL	GNR20DCZL
					GNR20DCZH	GNR20DCZH
					GNR20BCZH	GNR20BCZH
					GNR20ACZH	GNR20ACZH
					GNR30DCZH	GNR30DCZH
					GNR30BCZH	GNR30BCZH
	GNR30ACZH	GNR30ACZH				
DIN Rail 22.5mm	Random	Inductive Loads: Motion, Miscellaneous	· Output Protection Included (RC Snubber)	GNR25DCRH	GNR25DCRH	
	DIN Rail 22.5mm	Zero Cross	Resistive Loads: Heating, Lighting Inductive Loads: Motion, Miscellaneous Capacitive Loads: Miscellaneous	· Output Protection Included (VDR) · High Immunity (Level A)	GNR30DCZP	GNR30DCZP
					GNR30ACZP	GNR30ACZP
	GNR32DCZP				GNR32DCZP	
	DIN Rail 45mm				GNR45DCZP	GNR45DCZP

	Mounting	Switching	Usage (Load Type)	Comments	Designation	Part Number
	Panel Mount "Hockey Puck"	DC Switching	DC Loads: Heating, Motion, Lighting, Miscellaneous	· To use in simple applications	GNAD10DH	84137650N
					GNAD20DM	84137660N
					GNAD40DL	84137670N
	Panel Mount "Hockey Puck"	DC Switching	DC Loads: Heating, Motion, Lighting, Miscellaneous	· Output Protection Included (TVS*)	GND10DH	84137850N
					GND40DM	84137870N

SSR

	Mounting	Switching	Usage (Load Type)	Comments	Designation	Part Number
	Panel Mount "Hockey Puck"	Zero Cross	Current Detection	-	GNS50DAZH	84136120N
	Panel Mount "Hockey Puck"	Zero Cross	Load Detection	-	GNS35DDZH	84139150N
	Module On GNR/GNR+	-	Current Detection	-	GNS50DDZH	84139120N
			Current & Diagnostic		GNS75DDZH	84139130N
	Module On GNR/GNR+	-	Current Detection	-	GNS40DDDR	84050040N
			Current & Diagnostic		GNS40FDDR	84050043N

Type	Description	P/N
 Thermal Pads For Heatsink Mounting	Pre-cut thermal pad	26532720N
	Self-adhesive thermal pad	26532722N
 Screws For Heatsink Mounting	Screw Mounting Kit for Single & Dual-Phase SSR	26 532 001
 Thermal Grease For Heatsink Mounting	Thermal Grease	26 532 003
 Label For SSR identification	Label for SSR Identification	26 532 004