

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	CE, EAC*	
	40 A	48-660 VAC		CE, EAC*, VDE	
	50 A				
	90 A				
 GN Classic Version	10 A	24-280 VAC	4-32 VDC	CE, EAC*, VDE	
	10 A		20-265 VAC	CE, EAC*	
	25 A	24-280 VAC	4-32 VDC	CE, EAC*	
	25 A		18-36V AC/DC		
	25 A		20-265 VAC		
	25 A	48-660 VAC	4-32 VDC	CE, EAC*, VDE	
	25 A		20-265 VAC	CE, EAC*	
	50 A	48-660 VAC	4-32 VDC	CE, EAC*, VDE	
	50 A		18-36V AC/DC	CE, EAC*	
	50 A		20-265 VAC		
	75 A	48-660 VAC	4-32 VDC	CE, EAC*, VDE	
	75 A		20-265 VAC	CE, EAC*	
	100 A	48-660 VAC	4-32 VDC	CE, EAC*, VDE	
	100 A		20-265 VAC	CE, EAC*	
	125 A	48-660 VAC	4-32 VDC	CE, EAC*, VDE	
	125 A		20-265 VAC	CE, EAC*	
	25 A	24-280 VAC	4-32 VDC	CE, EAC*, VDE	
	25 A		90-260 VAC		
	50 A	48-660 VAC	4-32 VDC	CE, EAC*, VDE	
	50 A		90-260 VAC		
	75 A	48-660 VAC	4-32 VDC	CE, EAC*, VDE	
 GN+ Performance Version	25 A	12-270 VAC	4-32 VDC	CE, EAC*, VDE	
	25 A		20-260 VAC/DC		
	50 A	24-500 VAC	4-32 VDC	CE, EAC*, VDE	
	50 A		20-260 VAC/DC		
	90 A	24-500 VAC	4-32 VDC	CE, EAC*, VDE	
	90 A		20-260 VAC/DC		
	125 A	24-500 VAC	4-32 VDC	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 GNA40DZH GNA50DZH GNA90DZH	84137910N 84137450N 84137460N 84137480N
	Panel Mount "Hockey Puck"	Zero Cross	Resistive Loads: Heating Lighting	• Output Protection Included (TVS)	GN10DZL GN10AZL GN25DZL GN25CZL GN25AZL GN25DZH GN25AZH GN50DZH GN50CZH GN50AZH GN75DZH GN75AZH GN100DZH GN100AZH GN125DZH GN125AZH	84137000N 84137001N 84137010N 84137012N 84137011N 84137110N 84137111N 84137120N 84137122N 84137121N 84137130N 84137131N 84137140N 84137141N 84137180N 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 GN25ARL GN50DRL GN50ARH GN75DRH	84137210N 84137211N 84137320N 84137321N 84137330N
	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 GNP25UZL GNP50DZM GNP50UZM GNP90DZM GNP90UZM GNP125DZM GNP125UZM	84138010N 84138013N 84138120N 84138123N 84138150N 84138153N 84138180N 84138183N

SSR

AC VOLTAGE: SINGLE PHASE

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

DC VOLTAGE

Type	Output		Input	Certifications	
	Current	Voltage	Voltage		
 GNAD Essential Version	10 A	5-200 VDC	4-32 VDC	CE	
	20 A	5-100 VDC			
	40 A	5-55 VDC			
 GND Classic Version	10 A	5-200 VDC	4-32 VDC	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	сґUus, CE	
	35 A	50-265 VAC	8-30 VDC	сґUus, CE, EAC*, VDE	
	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
					GNR45DCZP	GNR45DCZP
	DIN Rail 45mm					

	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	-	GN550DAZH	84136120N
	Panel Mount "Hockey Puck"	Zero Cross	Load Detection	-	GN535DDZH	84139150N
	Panel Mount "Hockey Puck"	Zero Cross	Load Detection	-	GN550DDZH	84139120N
					GN575DDZH	84139130N
	Module On GNR/GNR+	-	Current Detection	-	GN540DDDR	84050040N
			Current & Diagnostic		GN540FDDR	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