

# SSR - PANEL MOUNT FAST-ON

# INSTALLATION SHEET

C.MC.DEF.00885.EN

CROUZET SOLID STATE RELAYS - PANEL MOUNT PRODUCTS have been developed to offer all the advantages of electronic switching technology. The 44.3 mm hockey puck industrial housing is quick to install. The product is compact and reliable. Please refer to the data sheet available on www.crouzet.com



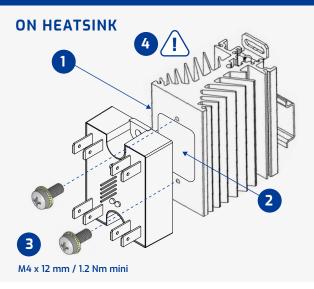


#### Panel mount - AC Output Single Phase

- 25 A in a Classic Hockey Puck package
- Fast-on terminals for easy installation
  GN2F & GN4 multichannel versions with 2 and 4 independent outputs
- Ideal for limited-space applications
- cRUus, CE and UKCA Recognized

Output

#### **MOUNTING INSTRUCTIONS**



- 1. Select the adequate heatsink (see thermal curves on product datasheet).
- Use thermal pad or thermal grease between the SSR and heatsink (0.06 mm of thickness).
- 3. Two screws (Ø 4x12 mm are needed to mount the SSR on the heatsink.
- For optimal thermal performance heatsink fins should be oriented vertically to promote the perfect convection airflow.

#### Channels Connectivity Generation Current Layout Type 8413 4 0 7 1 8413: 4: No cover Cross 1: 25A 7: Fast-on N: New GNF Single Channel Control Output Channels Current Voltage Connectivity Generation 84140 8 0 0 Ν 0: 4-32 V-84140: 8.25A I D: Fast-on | Zero Cross Nº New GN2F Dual Fast-on Zero Cross Channel

PART NUMBER NOMENCLATURE

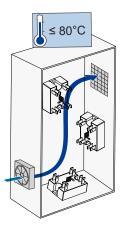
Cover/

Switching

		Cover/ Layout	Switching Type	Output Current	Control Voltage	Generation	
	8415	4	0	1	0	Ν	
GN4	<b>8415:</b> 4-Channel	4: No cover	D: Zero Cross	<b>1</b> : 25A	<b>0:</b> 4-32 V <u></u>	N: New	

## MOUNTING ON PANEL

- Before mounting the SSR, locate the panel section. The surface must provide adequate heat sinking capability - preferably aluminum, uncoated, flat and clean.
- 2. Recommended to use a thermal pad or thermal grease between the SSR and the panel.
- **3.** SSR mounting slots have a diameter of 4.7 mm. Please use two screws to mount on the panel.
- Be sure to tighten both screws until they contact the baseplate before applying full torque (1.2 Nm).



WARNING: The user should protect heat sensitive materials as well as people against any contact with the heatsink. For correct cooling, the SSR needs air convection. Less air convection produces an abnormal heating. In the event there is no space between two SSRs, reduce the load current. Forced cooling (ex. fan inside the cabinet) significantly improves the thermal performance. Heatsink temperature should never exceed 90 °C.

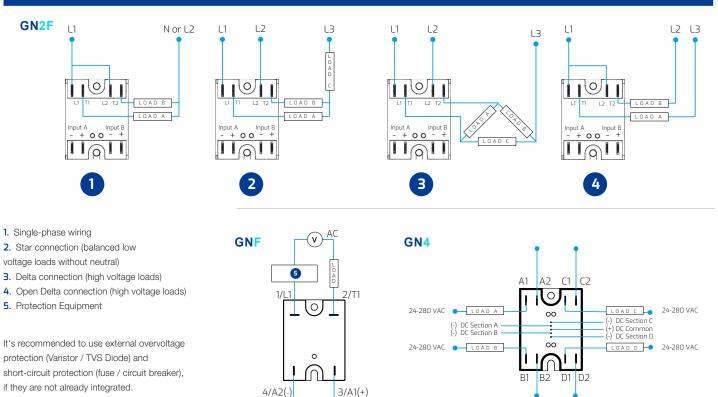


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## WIRING DIAGRAMS



### **RECOMMENDED ACCESSORIES**

ТҮРЕ		DESCRIPTION	P/N	ТҮІ	PE		DESCRIPTION	P/N
	Heatsinks	0.9 °C/W Thermal Resistance	26532752N		-	Thermal Pads Heatsink Mounting	Pre-cut thermal pad	26532720N
	For Panel Mount Versions	1.1 °C/W Thermal Resistance	26532753N				Self-adhesive thermal pad	26532722N
		1.2 °C/W Thermal Resistance	26532754N	e	R 80	Screws		
		1.75 °C/W Thermal Resistance	26532755N	M	R 80	Heatsink Mounting	For 1-phase SSR	26532001
		2.2 °C/W Thermal Resistance	26532756N	1	1	Thermal Grease Heatsink Mounting	Thermal Grease	26532003
	DIN-Rail Adapter	For DIN Rail	26532764N					

## **IMPORTANT CONSIDERATIONS**

Electrical equipment should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Crouzet for any consequences arising out of use of this manual. Be sure to use input and output voltage within operating ranges.

WARNING: The product's side panels may be hot, allow the product to cool before touching. Please follow mounting instructions. Failure to follow these instructions can result in serious injury or equipment damage.

# WARNING

#### **RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE**

- Confirm that the product power supply voltage and its tolerances are compatible with those of the electrical network.
- The product's side panels may be hot, allow the product to cool before touching.
- Follow proper mounting instructions including torque values.
- Do not allow liquids or foreign objects to enter this product.



In AC power lines, transient voltages are common and may pose a risk for

the operation, load and reliability of the SSR. In Crouzet SSR, the transient

User may also use external transient protection to the SSR for additional

protection can rise 1600 V (please refer to product datasheet).

TRANSIENT VOLTAGE

protection (please refer to product datasheet).

#### HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

Turn off power supply before working on this equipment. Failure to follow these instructions can result in death, serious injury or equipment damage.