

DRA-CN ASSEMBLIES

DIN RAIL MOUNTABLE ASSEMBLIES OF SOLID STATE RELAYS AND SOCKETS

The DRA-CN assemblies provide a convenient and easy way to select and use CN Series solid state relays on a standard 35 mm DIN rail. For additional information visit www.sensata.com.

Features

- Factory assembled ready-to-use assemblies for DC input

- 24 VDC @ 3.5 A, 48 VDC @ 100 mA and 240 VAC @ 2 A output ratings
- 6.2 mm wide socket
- LED input status indicator
- Socket clip fits all standard 35 mm DIN rails

INSTALLATION INSTRUCTIONS

Please read all installation instructions before using the assemblies.

- Mount the socket on the DIN rail
- Wire the socket to the control side. AWG #24-14 solid, AWG #24-14 stranded (0.2-2.1 mm²)
- Wire the socket to the load side. AWG #24-14 solid, AWG #24-14 stranded (0.2-2.1 mm²)
- Maximum torque: 5-7 lb-in (0.56-0.8 Nm)
- If multiple units are installed be sure to follow derating curves for assemblies

ORDERING OPTIONS (A)

	DRA-CN	024D	24	R
Series	DRA-CN			
Operating Voltage		024D: 0-24 VDC, 3.5 A 048D: 0-48 VDC, 0.1 A 240A: 24-250 VAC, 2 A		
Assembly Control Voltage			05: 3-12 VDC 24: 15-30 VDC	
Switching Type				R: Instantaneous Turn-On

(AC Output only)

Blank: Zero Voltage Turn-On

R: Instantaneous Turn-On

— Required for valid part number

□ For options only and not required for valid part number

WIRING DIAGRAM

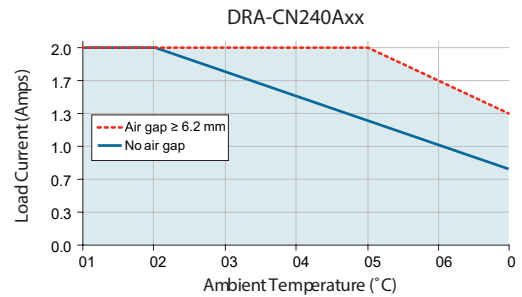
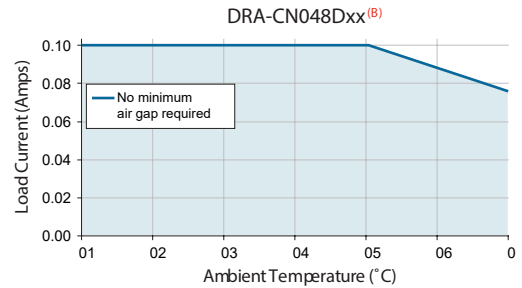
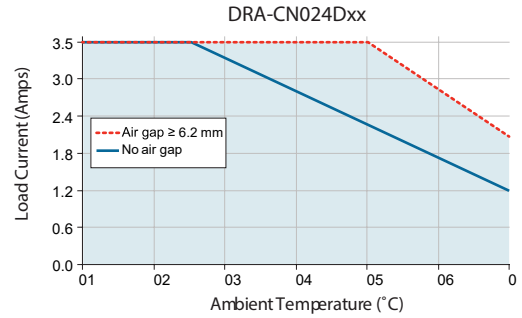
For DRA-CN assembly wiring diagram see DRSCN wiring diagram shown in installation sheet (reverse side of this sheet).

GENERAL NOTES

^(A) Assembly part number is marked on the opposite side of the socket from the socket's labeling.

^(B) For 100 mA output SSRs, no airgap is required for full output current rating.

WIRING DIAGRAM



INSTALLATION GUIDE

DRSCN SERIES DIN RAIL MOUNTABLE SOCKETS

The DRSCN sockets provide a convenient and easy way to install CN Series Solid State Relays on a standard 35 mm DIN rail. For additional information visit www.sensata.com.

Features

- Sockets are fully compatible with CN series SSRs
- 6.2 mm wide socket
- LED input status indicator
- Socket clip fits all standard 35 mm DIN rails

INSTALLATION INSTRUCTIONS

Please read all installation instructions before using the sockets and relays.

- Mount the socket on the DIN rail
- Wire the socket to the control side. AWG #24-14 solid, AWG #24-14 stranded (0.2-2.1 mm²)
- Wire the socket to the load side. AWG #24-14 solid, AWG #24-14 stranded (0.2-2.1 mm²)
- Maximum torque: 5-7 lb-in (0.56-0.8 Nm)
- If multiple units are installed be sure to follow derating curves for assemblies

ORDERING OPTIONS

	DRSCN	05
Series	DRSCN	
Socket Input Voltage		05: 3-12 VDC 24: 15-30 VDC

SSR Part No.	DRSCN05	DRSCN24
CN024D05	•	
CN024D24		•
CN048D05	•	
CN048D24		•
CN100D05	•	
CN100D24		•
CN240A05	•	
CN240A24		•

GENERAL NOTES

^(C) Installing a CN Series solid state relay in a socket that does not have matching input/output specifications may result in damage to either the relay, socket, or both, and/or in non-operation.

^(D) Maximum output rating for DRSCN Series sockets is 250 V, 6 Amps regardless of chosen SSR.

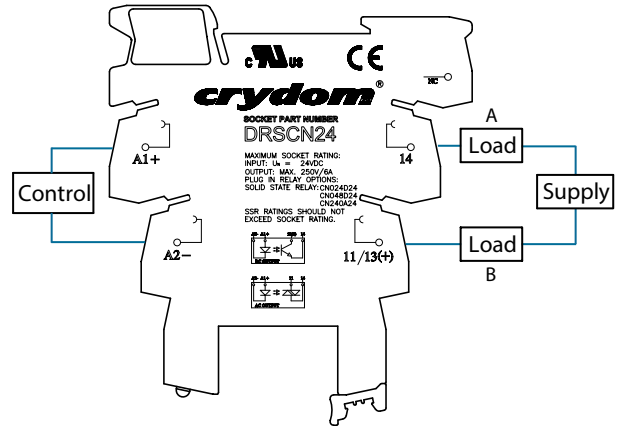
^(E) Proper polarity must be observed for DC input control voltage sockets being terminal A1+ positive with respect to terminal A2-.

^(F) For AC loads, the AC line can be wired to either DRS socket terminal 11 or terminal 14. The AC load may also be wired on either the line or neutral side of the SSR. For DC loads, the proper polarity must be observed for the power supply, load and DRS socket with terminal 13 being positive with respect to terminal 14.

^(G) DC inductive loads must be diode suppressed.

^(H) All terminals feature screw M3 slotted drive.

WIRING DIAGRAM



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