



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)

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



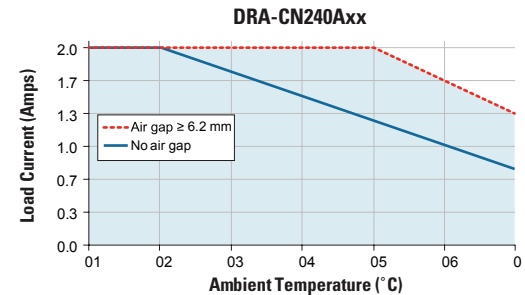
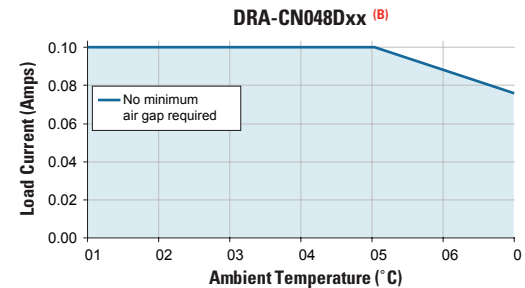
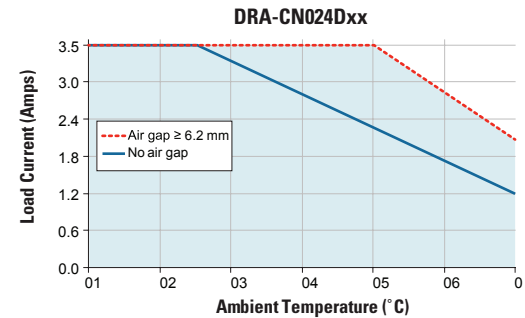
GENERAL NOTES

(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

Series	DRSCN
Socket Input Voltage	05: 3-12 VDC 24: 15-30 VDC 30: 4-30 VDC

TABLE 1. Relay/Socket Compatibility ^(C,D)			
SSR Part No.	DRSCN30	DRSCN24	DRSCN05
CN024D05	•		•
CN024D24	•	•	
CN048D05	•		•
CN048D24	•	•	
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.

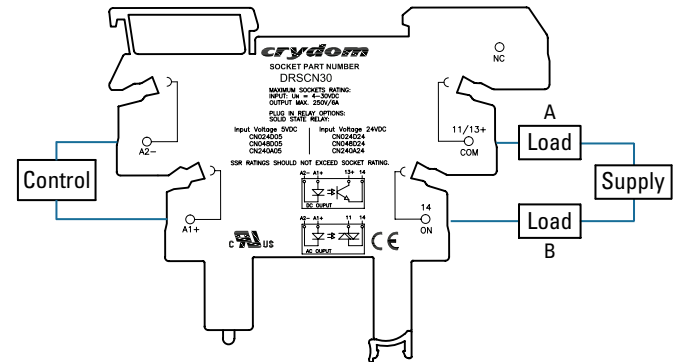
^(G) DC inductive loads must be diode suppressed.

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

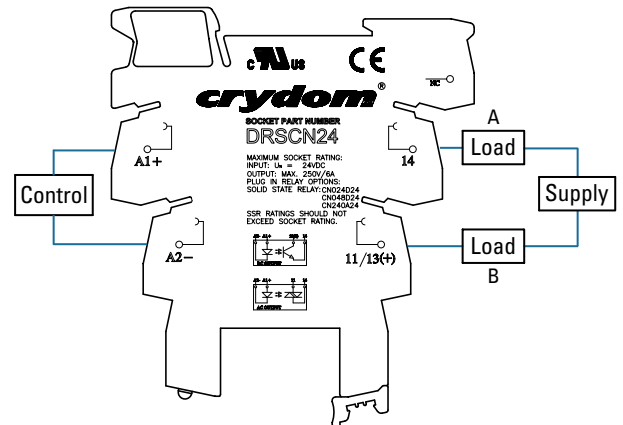


WIRING DIAGRAM

DRSCN30



DRSCN05, DRSCN24



Sensata Technologies, Inc. ("Sensata") data sheets are solely intended to assist designers ("Buyers") who are developing systems that incorporate Sensata products (also referred to herein as "components"). Buyer understands and agrees that Buyer remains responsible for using its independent analysis, evaluation and judgment in designing Buyer's systems and products. Sensata data sheets have been created using standard laboratory conditions and engineering practices. Sensata has not conducted any testing other than that specifically described in the published documentation for a particular data sheet. Sensata may make corrections, enhancements, improvements and other changes to its data sheets or components without notice.

Buyers are authorized to use Sensata data sheets with the Sensata component(s) identified in each particular data sheet. HOWEVER, NO OTHER LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE TO ANY OTHER SENSATA INTELLECTUAL PROPERTY RIGHT, AND NO LICENSE TO ANY THIRD PARTY TECHNOLOGY OR INTELLECTUAL PROPERTY RIGHT, IS GRANTED HEREIN. SENSATA DATA SHEETS ARE PROVIDED "AS IS". SENSATA MAKES NO WARRANTIES OR REPRESENTATIONS WITH REGARD TO THE DATA SHEETS OR USE OF THE DATA SHEETS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ACCURACY OR COMPLETENESS. SENSATA DISCLAIMS ANY WARRANTY OF TITLE AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUIET ENJOYMENT, QUIET POSSESSION, AND NON-INFRINGEMENT OF ANY THIRD PARTY INTELLECTUAL PROPERTY RIGHTS WITH REGARD TO SENSATA DATA SHEETS OR USE THEREOF.

All products are sold subject to Sensata's terms and conditions of sale supplied at www.sensata.com. SENSATA ASSUMES NO LIABILITY FOR APPLICATIONS ASSISTANCE OR THE DESIGN OF BUYERS' PRODUCTS. BUYER ACKNOWLEDGES AND AGREES THAT IT IS SOLELY RESPONSIBLE FOR COMPLIANCE WITH ALL LEGAL, REGULATORY AND SAFETY-RELATED REQUIREMENTS CONCERNING ITS PRODUCTS, AND ANY USE OF SENSATA COMPONENTS IN ITS APPLICATIONS, NOTWITHSTANDING ANY APPLICATIONS-RELATED INFORMATION OR SUPPORT THAT MAY BE PROVIDED BY SENSATA. Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA.

CONTACT US

Americas

+1 (877) 502 5500
sales.crydom@sensata.com

Europe, Middle East & Africa

+44 (1202) 416170
ssr-info.eu@sensata.com

Asia Pacific

sales.isasia@list.sensata.com
China +86 (21) 2306 1500
Japan +81 (45) 277 7117
Korea +82 (31) 601 2004
India +91 (80) 67920890
Rest of Asia +886 (2) 27602006
ext 2808