

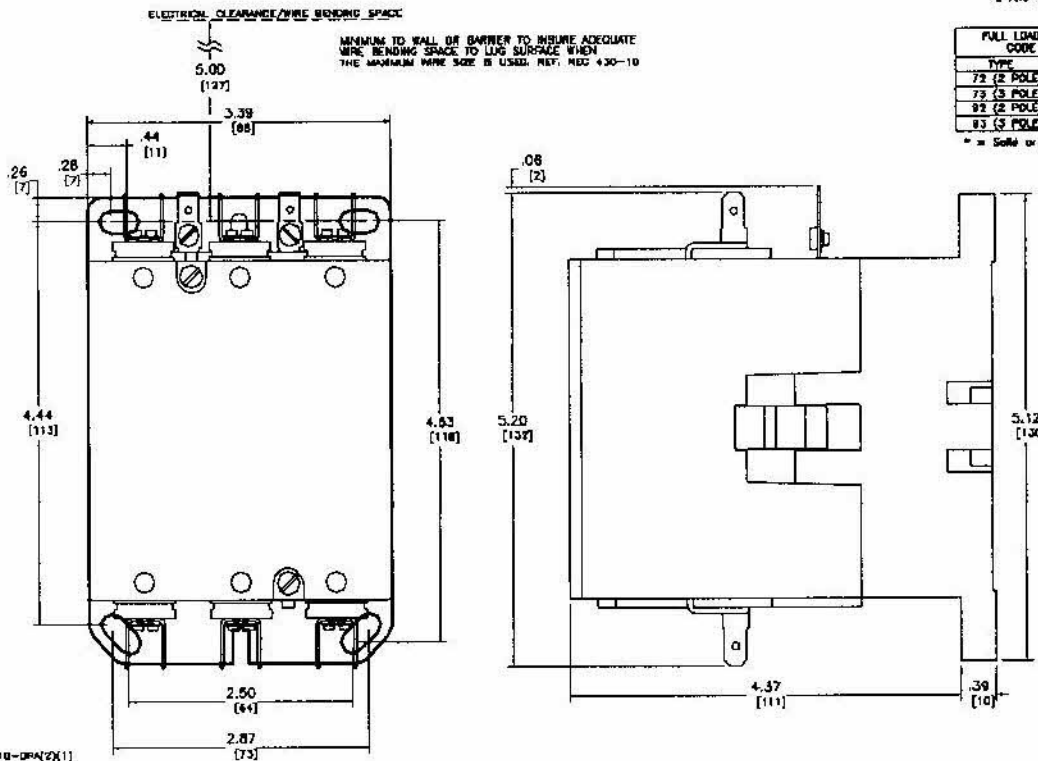
2 AND 3-POLE DEFINITE PURPOSE CONTACTOR
600 VAC, 50-60 HZ

| FULL LOAD AMPERES CODE (2) | | POWER TERMINALS | |
|----------------------------|--------|-----------------|--------------------------|
| TYPE | FLA | TYPE OF LUG | WIRE SIZES(*) MIN-MAX |
| 72 (2 POLE) | 75 FLA | BOX LUG | #14-#10 |
| 73 (3 POLE) | 75 FLA | BOX LUG | #14-#10 |
| 82 (2 POLE) | 90 FLA | BOX LUG | #14-#10 |
| 83 (3 POLE) | 90 FLA | BOX LUG | #14-#10 |

* = Solid or stranded copper wires only.

| COIL VOLTAGE CODE (1) | VOLTAGE | |
|--------------------------|---------|-------|
| | 50 HZ | 60 HZ |
| V12 | 24 | 24 |
| V22 | 120 | 110 |
| V24 | 208-240 | 220 |
| V26 | 277 | 277 |
| V28 | 480 | 440 |
| V27 | 900 | 550 |

QUICK CONNECT TERMINALS AND BRIDGE HEAD SCREWS FOR EASY WIRING.



Catalog Number: B910-DPA(2)(1)
 Ratings: SEE CHART
 UL File/CDN: E42240/CDN NLDX2
 CSA File/Class: LR25490/321104
 Meets Standards: -
 Weight: 3.4 LB
 Wire Size: SEE CHART
 Terminal Torque: 60 LB-IN
 Mounting Hnd.: (4) #10 or #8 screws

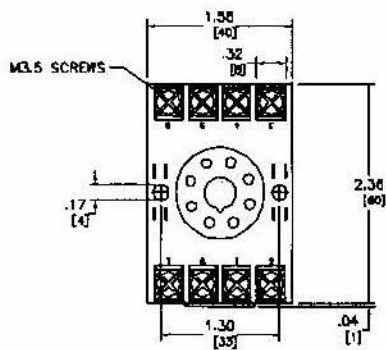
DUAL DIMENSIONS: INCHES
MILLIMETERS

DEFINITE PURPOSE CONTACTOR (2 AND 3 POLE)
 CLASS B910 TYPE DPA (2) (1)

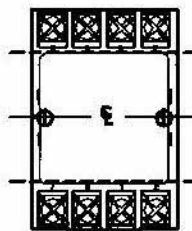


DRWG NO. E0310501-01

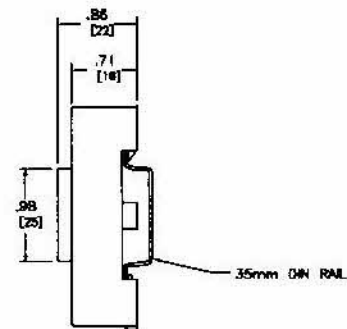
JUNE 2003



FRONT VIEW
 SHOWN WITHOUT RELAY INSTALLED



FRONT VIEW
 SHOWN WITH RELAY INSTALLED



RIGHT VIEW

Catalog Number: B501-NRS1
 Ratings: 300V, 10A
 UL File/CDN: E66924/5wire
 CSA File/Class: LR30144/3211 07
 Meets Standards: -
 Weight: 0.1 lb
 Wire Size: #12-#22 AWG
 Terminal Torque: 7-8 LB-IN
 Mounting Hnd.: (2) #6-32 SCREWS, 35mm DIN RAIL

DUAL DIMENSIONS: INCHES
MILLIMETERS

GENERAL PURPOSE RELAY SOCKET (8 PIN)
 CLASS B501 TYPE NRS1



DRWG NO. E0700301-01

JUNE 2003



SQUARE D

Instruction Bulletin

Bulletin No. 30072-005-95

April, 1991

Raleigh, NC U.S.A.

Type DPA 75 & 90 Ampere Definite Purpose Contactors Class 8910

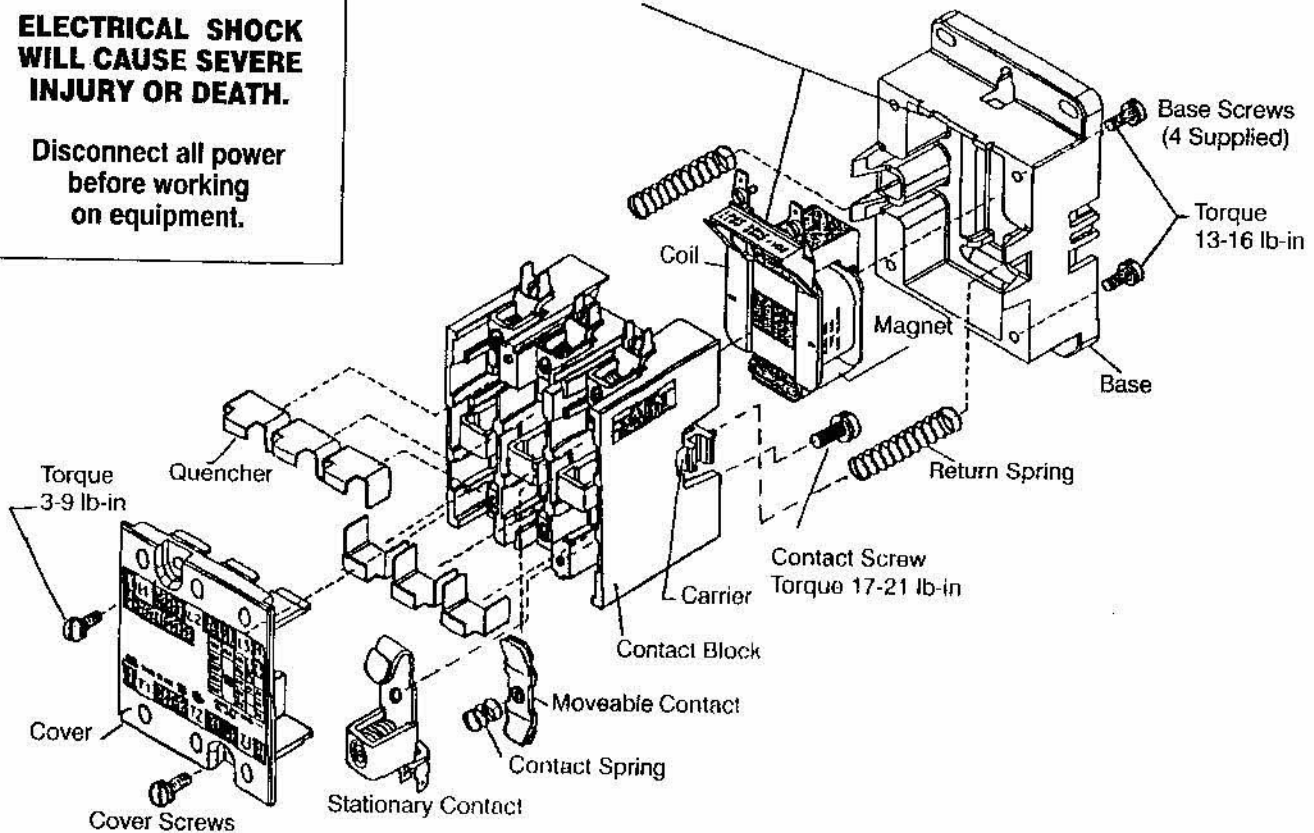
⚠ DANGER

HAZARDOUS VOLTAGE.

**ELECTRICAL SHOCK
WILL CAUSE SEVERE
INJURY OR DEATH.**

Disconnect all power
before working
on equipment.

When reassembling, orient
these details as shown.



⚠ CAUTION

**EQUIPMENT DAMAGE.
MAY RESULT IF CONTACTOR
IS IMPROPERLY MOUNTED OR REASSEMBLED.**

Mount only on vertical surface.
If disassembled, refer to diagram for proper:
Parts installation
Base-to-Coil orientation
Screw torques

Table 1 Contact Replacement Kits

| | | |
|--------|------------|-----------|
| 75 Amp | CLASS 9998 | TYPE DRC7 |
| 90 Amp | CLASS 9998 | TYPE DRC9 |

Each kit contains two (2) stationary contacts, one (1) moveable contact, one (1) contact spring, and two (2) contact screws.



GROUPE SCHNEIDER

MANUFACTURER'S DECLARATION OF CONFORMITY

The undersigned, representing the following manufacturer

| | |
|---------------|--|
| manufacturer: | SQUARE D COMPANY |
| address: | 128 Bingham Road Asheville, NC 28802 USA |

herewith declares that the product

| | |
|-------------------------|---|
| product identification: | Class 8910 Type DPA Definite Purpose Contactors Class 8911 Type DPS Magnetic Motor Starters Class 8965 Type DPR Reversing Contactors Class 9999 Type D Auxiliary Contact Modules |
|-------------------------|---|

to which this declaration refers are in conformity with the following

| | |
|-----------------------------------|--|
| Standards or Normative Documents: | - General rules: EN60947.1 - Electromechanical contactors and motor starters: EN60947.4.1 - Electromechanical control circuit devices: EN60947.5.1 - Underwriters Laboratories Inc.: UL508 - Canadian Standards Association: C22.2 SPEC 14 |
|-----------------------------------|--|

subject to installation, maintenance and utilization in accordance with their purpose, regulations, current standards, manufacturer's instructions and industry standards, is in conformity with the provisions of the following EC directive(s) (including all applicable amendments):

| reference n° | title |
|--------------|---|
| 73/23/CCE | Low-voltage Directive of February 19, 1973 modified by Directive 93/68/EC of July 22, 1993. |
| 89/336/CEE | Electromagnetic Compatibility Directive of May 3, 1989 modified by Directives 92/31/CEE of April 28, 1992 and 93/68/CEE of July 22, 1993. |

The CE marking on the product and/or the packaging signifies that Square D holds the reference technical file available to the European Authorities.

Raleigh, NC

date: March 9, 1998

Authorization Signature

Name: John Gawron
Position: Director, Motor Control

Signature:

ALL DISTRIBUTION OR REPRODUCTION WITHOUT WRITTEN AUTHORIZATION IS FORBIDDEN

■ Federal Pacific ■ Federal Pioneer ■ Merlin Gerin ■ Modicon ■ Square D ■ Telemecanique
Groupe Schneider-North America, 1415 South Roselle Road, Palatine, IL 60067-7399 847-397-2600 Fax 847-925-7500



MANUFACTURER'S DECLARATION OF CONFORMITY

The undersigned, representing the following manufacturer

Document No: R-DOC-8501R-R1

| | |
|----------|---|
| Company: | SQUARE D COMPANY |
| address: | 8001 Highway 64 East Knightdale, NC 27545-9023 USA |

Herewith declares that the product

| | |
|-------------------------|--|
| Product identification: | <i>Class 8501 Type RS General Purpose Relays Class 8501 Type KL Latching Relays Class 8501 Type C Power Relays Class 8501 Type N Sockets</i> |
|-------------------------|--|

To which this declaration refers are in conformity with the following:

| | |
|---|--|
| Standards and/or Normative Documents: | <i>General Rules: EN60947-4-1 Electromechanical control circuit devices: EN60947-5-1</i> |
|---|--|

Subject to installation, maintenance and utilization in accordance with their purpose, regulations, current standards, manufacturer's instructions and industry standards. Meet(s) the provisions of the following EC Directive(s): (Including all applicable amendments)

| reference n° | title |
|---------------------------------|--|
| <i>73/23/CCE 89/336/CEE</i> | <i>Low-voltage Directive of February 19, 1973 modified by Directive 93/68/EC of July 22, 1993.</i> |

The CE marking on the product and/or the packaging signifies that the product is in compliance with the applicable EU Directives.

Raleigh, NC

Date: May 2, 2002

Authorization Signature

Name: John Gawron
Position: Director, Industrial Control Activity

Signature:



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▼ Valves

▼ Distributors

Industries

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Product Compliance

UL

UL Listed & Recognized Components

Series: 100 | 200

UL Recognized Components

Series: 23 | 24 | 32 | 33 | 34 | 35 | 36 | 38 | 42 | 44 | 45 | 46 | 48 | 100 | 200 | DP

Pilots: PM | PP | PE | PI | GM | TM | TP

Excel Document

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CSA

CSA Approved Valves

Series: 23 | 24 | 33 | 34 | 35 | 36 | 43 | 45 | 46 | 52 | 55 | 56 | 57 | 58 | 82 | 92 | 9
100 | 200 | 400 | 600 | 700 | 800 | 900 | 6200 | 6300 | 6500

Series: MAC 125 | MAC 250 | MAC 500

Series: MACConnect 36 | 46 |

Regulators: 82 | 6200 | 6300 | 6500 | 125 | ISO PRA1A PRA2A PRA3A

Series: MAC 125 | MAC 250 | MAC 500

Series: PPC036B

Series: ISO 1, 2, 3 (DIN 5599/1) ISO 1, 2, 3 (DIN 5599/2)

Excel Document

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C-US

CSA / C-US

Series: 23 | 24 | 35 | 36 | 43 | 45 | 56C | 57C , D | 58D | 100 | 600 | 700 | 800 | 900**Series:** 36 MACConnect | PPC036B**Excel Document**

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RoHS

The European Union has reacted to the problem of waste electrical and electronic equipment by enacting the following directive: Waste Electrical & Electronic Equipment – WEEE (2002/96/EC), Restriction of Hazardous Substances – RoHS (2002/95/EC)

EU Restriction of Hazardous Substances (RoHS)**Summary**

- The Restriction of Hazardous Substances (RoHS) regulations put into force by each member state implement provisions of the European Parliament and Council Directive the Restrictions of Hazardous Substances in electrical and electronic equipment (2002/95/EC).
- The RoHS regulations ban putting on the EU market new EEE containing more than the levels of lead, cadmium, mercury, hexavalent chromium and both polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) flame retardants.
- The regulations apply to EEE falling within eight product categories.
- Specific exemptions exist for certain types of EEE as well as certain applications of the restricted substances.
- The regulations come into effect from 1 July 2006.

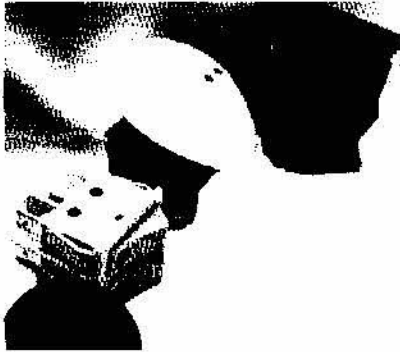
Corporate Statement

EEE falling within Categories 1,2,3,4,5,6,7, and 10 of the WEEE regulations, Annex IA, are covered under the scope of RoHS regulations. Categories include;

1. Large household appliances
2. Small household appliances
3. IT and telecommunications equipment
4. Consumer equipment
5. Lighting equipment
6. Electrical and electronic tools (with the exception of large-scale stationary industrial tools)
7. Toys, leisure and sports equipment
10. Automatic dispensers

MAC Valves, Inc. has reviewed the typical customer applications for our product against the covered categories and has taken the opinion that the vast majority of these applications do

R SERIES
DOUBLE POLE ROCKER SWITCHES UP TO 20A 125VAC
 illuminated or non-lighted, splash-proof cover



Snap-in Panel Cutout
 X=Panel Thickness

| X | Dim.Y | Dim.Z |
|-----------------|------------------|------------------|
| 0.75 to 1.25 mm | 30.0 + 0.1 / - 0 | 22.0 + 0.1 / - 0 |
| 1.25 to 2 mm | 30.2 + 0.1 / - 0 | 22.0 + 0.1 / - 0 |
| 2 to 3 mm | 30.5 + 0.1 / - 0 | 22.0 + 0.1 / - 0 |



- 16A 125/250VAC 1/4HP (UL,CSA NRTL/C)
- 16A 125/250VAC,65 °C (UL/CUL)-on-off-on
- 20A 125VAC, 3/4HP 250VAC (UL)
- 20A 125VAC /16A 250VAC, 3/4HP 125/250VAC T105 (UL/CUL)
- 16(4) 250V~T125 1E4, 10(2)A 250V~5E4 (VDE, ENEC)
- 16(8)A 250V~T125 (VDE,ENEC)
- 16(4)A 250V~T125 1E4 (CQC)
- 10(2)A 250V~T125 5E4 (CQC)
- Initial contact resistance : 20m ohm max.
- Insulation resistance : 100M ohm min, at 500VDC
- Dielectric strength : 1,000 VAC for 1 minute
- Electrical life : 16(4) A 250VAC : 10,000 cycles
- 10(2) A 250VAC : 50,000 cyclesdegrees in Celsius
- Temperature range : -20 to + 125 degrees in Celsius
- Switch for Class II appliances
- Base : Nylon 66, UL rated : 94V-2 min
- Actuator : Nylon 66 /PC, UL rated 94V-2 min
- Spring : Piano wire
- Contacts : Silver copper alloy
- Terminals : Silver copper alloy
- Lamp : Neon for AC; Tungsten bulb for DC

How to order

