

RV8H Series - 6mm Interface Relays



Screw Terminals



Spring Clamp Terminals

- Class I, Division 2 and Class I, Zone 2 hazardous locations
- Space-saving 6mm width
- Only 70mm in height from DIN rail
- Gold-plated contacts
- Pre-assembled relay and DIN mount socket
- Universal screw (flat and Phillips) or spring clamp terminals
- Preprinted marking plates available
- RoHS Compliant



(when using combination of RV1H relay and SV1H socket)

RV8H - L - AD110 - C1D2

Terminals
L=Screw
S=Spring Clamp

Voltage Code
D6=6V DC AD12=12V AC/DC
D9=9V DC AD18=18V AC/DC
D12=12V DC AD24=24V AC/DC
D18=18V DC AD48=48V AC/DC
D24=24V DC AD60=60V AC/DC
AD110=100-125V AC/DC
AD220=220V-240V AC/DC

Rating
C1D2=Class I Division 2 rating
Blank=no CID2 rating

| | | RV8H |
|-------|---------------------------------|-------------------|
| Specs | Contact Material | AgNi (Au plating) |
| | Contact Rating | 6A |
| | Minimum Load (reference values) | 6V DC 10mA |
| | Dimensions (w x d x h) mm | 6.1x74.2x88 |

| | Complete Part Number | Socket | | Relay | Complete Part Number | Socket | | Relay |
|-------------------|----------------------|------------|--------------|------------|----------------------|------------|--------------|------------|
| | | Screw | Spring Clamp | | | Screw | Spring Clamp | |
| Replacement Parts | RV8H-□-D6 | SV1H-07L-5 | SV1H-07LS-5 | RV1H-G-D5 | RV8H-□-AD18 | SV1H-07L-1 | SV1H-07LS-1 | RV1H-G-D18 |
| | RV8H-□-D9 | | | RV1H-G-D9 | RV8H-□-AD24 | SV1H-07L-1 | SV1H-07LS-1 | RV1H-G-D24 |
| | RV8H-□-D12 | | | RV1H-G-D12 | RV8H-□-AD48 | SV1H-07L-2 | SV1H-07LS-2 | RV1H-G-D48 |
| | RV8H-□-D18 | | | RV1H-G-D18 | RV8H-□-AD60 | SV1H-07L-2 | SV1H-07LS-2 | RV1H-G-D60 |
| | RV8H-□-D24 | | | RV1H-G-D24 | RV8H-□-AD110 | SV1H-07L-3 | SV1H-07LS-3 | RV1H-G-D60 |
| | RV8H-□-AD12 | | | RV1H-G-D12 | RV8H-□-AD220 | SV1H-07L-4 | SV1H-07LS-4 | RV1H-G-D60 |

In place of □ insert Terminal code: L=Screw terminals, S=Spring Clamp Terminals.

| | Description | Color | Part Number |
|-------------|----------------------------|-------|-------------|
| Accessories | Jumper (20 combs) | Black | SV9Z-J20B |
| | | Gray | SV9Z-J20W |
| | | Blue | SV9Z-J20S |
| | Spacer (circuit separator) | — | SV9Z-SA2W |
| | Marking Plate (10 pcs) | White | SV9Z-PW10 |
| | Screwdriver | — | BC1S-SD0 |

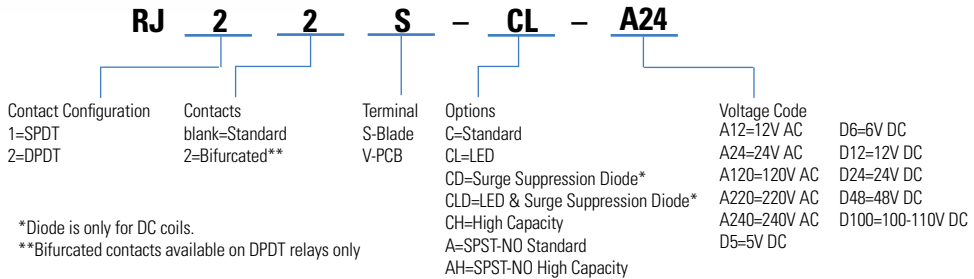
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RJ Series - Slim Power Relays



- Compact size for maximum space savings on DIN rail
- SPDT 12A and DPDT 8A contacts (high capacity 16A SPST-NO available)
- Optional non-polarized, green LED
- Locking and release lever on SJ sockets
- RoHS Compliant



| | RJ1S | RJ2S | RJ22S | RJ22V |
|----------------------------------|---------------------------------------|------|------------------|-------|
| Specs Contact Material | Silver-Nickel Alloy | | AgNi (gold clad) | |
| Contact Rating | 12A | 8A | 1A | 1A |
| Minimum Load (reference values) | 100mA@5V DC, 10mA@5V DC (PCB version) | | 100µA@1V DC | |
| Dimensions (w x d x h) mm | 12.7x28.8x33 | | | |

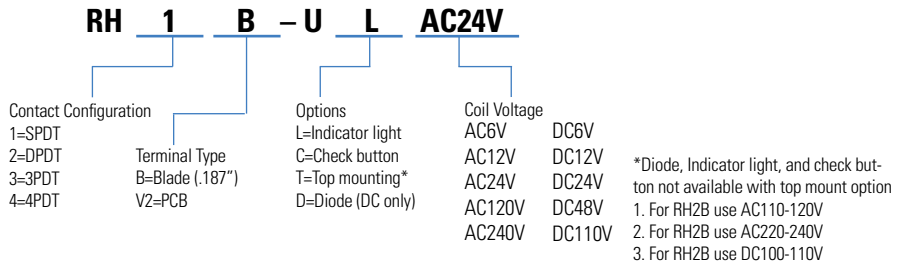
| Relays | | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | PCB Mount |
|------------------------|---------------------|-------------------------|----------------------------|-----------|
| Sockets | Blade Models | | | |
| | RJ1S (Std) | SJ1S-05BW | SJ1S-07LW | SJ1S-61 |
| | RJ2S (Std) RJ22S | SJ2S-05BW | SJ2S-07LW | SJ2S-61 |
| | PCB Models | | | |
| RJ1V (Std) | – | SQ1V-07B | SQ1V-63 | |
| RJ1V (HC) , RJ2V/RJ22V | – | SQ2V-07B | SQ2V-63 | |

| | | Use With Socket | Description | Part Number |
|----------------------|----------------------------|--|------------------------------------|-------------|
| Accessories | Hold Down Springs | SJ1S-05BW, SJ1S-07LW SJ2S-05BW, SJ2S-07LW | Pullover Locking Lever | SJ9Z-CM |
| | | SQ1V-07B, SQ2V-07B | | SQ9Z-C |
| | | SQ1V-63, SQ2V-63 | | SQ9Z-C63 |
| | | | | |
| | DIN Rail | SJ1S-05BW, SJ2S-05BW SJ1S-07LW, SJ2S-07LW | Aluminum DIN Rail (1 meter length) | BNDN1000 |
| | | | DIN Rail End Stop | BNL5 |
| | Jumpers | all DIN mount sockets | 2 Poles | SJ9Z-JF2 |
| | | | 5 Poles | SJ9Z-JF5 |
| | | | 8 Poles | SJ9Z-JF8 |
| | | | 10 Poles | SJ9Z-JF10 |
| Marking Plate | Finger Safe Sockets (only) | mount in choice of 5 different positions (sold in packs of 10) | SJ9Z-PWPN10 | |

RH Series - Compact Power Relays



- Small, industrial 10A GP relay
- SPDT, DPDT, 3PDT, 4PDT contacts
- Options: Indicator LED, check-button, top-mounting and surge-suppression diodes
- DIN rail, through panel, and PCB-type sockets available
- SPDT and DPDT 500K cycle UL tested for maximum life expectancy
- RoHS Compliant



| | | RH1 | RH2 | RH3 | RH4 |
|-------|---------------------------------|------------------------------|------------|------------|------------|
| Specs | Contact Material | Silver cadmium oxide (AgCdO) | | | |
| | Contact Rating | 10A | | | |
| | Minimum Load (reference values) | 30mA@24V DC, 100mA@5V DC | | | |
| | Dimensions (w x d x h) mm | 14x27.5x42 | 21x27.5x42 | 31x27.5x42 | 41x27.5x42 |

| | | Relays | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | Through Panel Mount | PCB Mount |
|-------------------------------------|------|---------|-------------------------|----------------------------|---------------------|-----------|
| Sockets (for Blade Terminal Models) | RH1B | SH1B-05 | SH1B-05C | SH1B-51 | SH1B-62 | |
| | RH2B | SH2B-05 | SH2B-05C | SH2B-51 | SH2B-62 | |
| | RH3B | SH3B-05 | SH3B-05C | SH3B-51 | SH3B-62 | |
| | RH4B | SH4B-05 | SH4B-05C | SH4B-51 | SH4B-62 | |

| | | Relays / Sockets | Description | For DIN Mount Socket | For Through Panel & PCB Mount Socket |
|-------------|---------------------------|------------------------------------|--------------------------|----------------------|--------------------------------------|
| Accessories | Hold Down Springs & Clips | RH1B | Pullover Wire Spring | SY2S-02F1 | SY4S-51F1 |
| | | RH2B | | SY4S-02F1 | |
| | | RH3B | | SH3B-05F1 | |
| | | RH4B | | SH4B-02F1 | |
| | | RH1B, RH2B, RH3B, RH4B | Leaf Spring (side latch) | SFA-202 | SFA-302 |
| | | RH1B, RH2B, RH3B, RH4B | Leaf Spring (top latch) | SFA-101 | SFA-301 |
| DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 | - | |
| | | DIN Rail End Stop | BNL5 | - | |

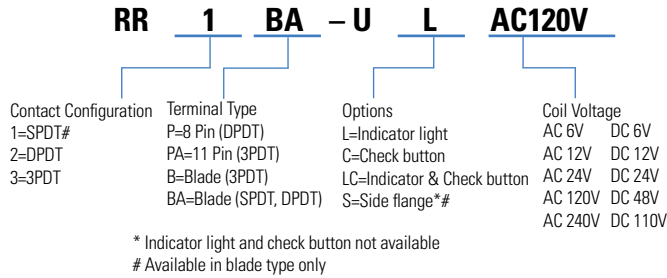
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RR Series - Power Relays



- Rugged, industrial 10A relay
- SPDT, DPDT, 3PDT 10A contacts
- Options: Indicator LED, check-button and side-flange mounting
- Round 8- and 11-pin base and square-blade base relays
- Horsepower rated for small motors and solenoids
- RoHS Compliant



| | | RR2P | RR3PA | RR1BA | RR2BA | RR3B |
|--------------|---------------------------------|-------------------------|--------------|----------------|-------|------|
| Specs | Contact Material | Silver (Ag) | | | | |
| | Contact Rating | 10A | | | | |
| | Minimum Load (reference values) | 10mA@24V DC, 20mA@5V DC | | | | |
| | Dimensions (w x d x h) mm | 29.3x36.4x56 | 36.4x36.4x56 | 36.4x36.4x55.4 | | |

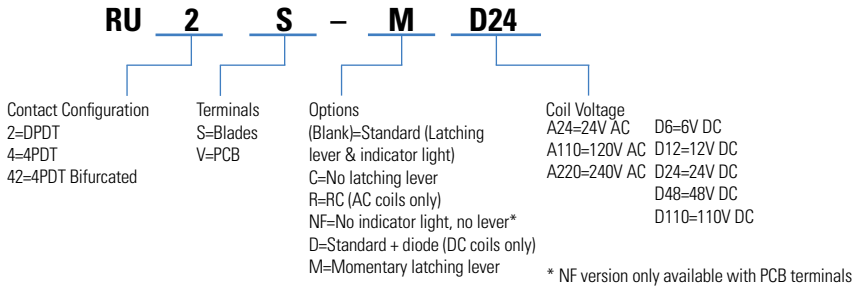
| Relays | | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | Through Panel Mount |
|----------------|-------|-------------------------|----------------------------|---------------------|
| Sockets | RR2P | SR2P-05, SR2P-06 | SR2P-05C | SR2P-51 |
| | RR3PA | SR3P-05, SR3P-06 | SR3P-05C | SR3P-51 |
| | RR1BA | SR3B-05 | - | SR3B-51 |
| | RR2BA | | | |
| | RR3B | | | |

| | | Relays / Sockets | Description | For DIN Mount Socket | For Through Panel Mount Socket |
|--------------------|--------------------------------------|-----------------------|------------------------------------|----------------------|--------------------------------|
| Accessories | Hold Down Springs & Clips | RR2P | Pullover Wire Spring | SR2B-02F1 | SR3P-01F1 |
| | | RR3PA | | SR3B-02F1 | |
| | | RR1BA, RR2BA, RR3B | | SR3B-02F1 | SR3B-02F1 |
| | DIN Rail | RR2P, RR3PA | Leaf Spring (side latch) | SFA-203 | - |
| | | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 | - |
| | | | DIN Rail End Stop | BNL5 | - |

RU Series - Universal Relays



- 100% robotic assembly
- DPDT 10A, 4PDT 6A and bifurcated 4PDT 3A contacts
- Spot-welding technology eliminates internal wires and solder
- Non-polarized, green LED
- Color-coded, snap-on marking plates
- RoHS compliant



| | | RU2 | RU4 | RU42 |
|-------|---------------------------------|--------------|---------|-----------------|
| Specs | Contact Material | AgSnOIn | AuAg/Ag | AuAg/AgNi |
| | Contact Rating | 10A | 6A | 3A (bifurcated) |
| | Minimum Load (reference values) | 5mA@24V DC | | |
| | Dimensions (w x d x h) mm | 21x27.5x41.4 | | |

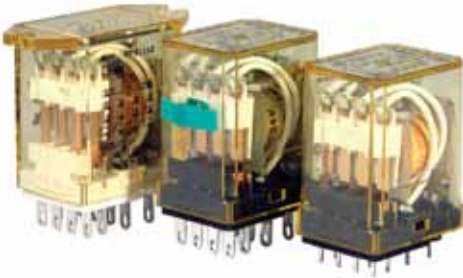
| Relays | | Spring Clamp DIN Rail Mount | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | Panel Mount | PCB Mount |
|---------|-----------------------------|-----------------------------|-------------------------|----------------------------|-------------|--------------------|
| Sockets | RU2S (DPDT) | SU2S-11L | SM2S-05 | SM2S-05C | SY4S-51 | SM2S-61 SM2S-62 |
| | RU4S (4PDT) RU42S (4PDT) | SU4S-11L | SY4S-05 | SY4S-05C | | SY4S-61 SY4S-62 |

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| Relays / Sockets | | Description | For DIN Mount Socket | For Through Panel & PCB Mount Socket | |
|------------------|---------------------------|-----------------------|------------------------------------|--|-----------|
| Accessories | Hold Down Springs & Clips | RU2S/RU4S/RU42S | Pullover Wire Spring | SY4S-02F1 | SY4S-51F1 |
| | | RU2S/RU4S/RU42S | Leaf Spring (side latch) | SFA-202 | SFA-302 |
| | | RU2S/RU4S/RU42S | Leaf Spring (top latch) | SFA-101 | SFA-301 |
| | DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 | — |
| | | | DIN Rail End Stop | BNL5 | — |
| | Marking Plate | all RU relays | Replacement Marking Plates | RU9Z-P* (*Specify color code. A=orange, G=green, W=white, Y=yellow) | |

RY Series - Miniature Relays



- Small, industrial GP signaling relay
- DPDT 3A, 4PDT 5A contacts
- Options: Indicator LED, check-button and surge-suppression diode
- Plug-in/solder and PCB terminals
- RoHS compliant



RY 2 S - U L AC24V

Contact Configuration
2=DPDT
4=4PDT

Terminal Type
S=Blade (.110")
V=PCB

Options
L=Indicator light
C=Check button
T=Top bracket*
D=Diode**

Coil Voltage
AC 6V DC 6V
AC 12V DC 12V
AC 24V DC 24V
AC 120V DC 48V
AC 240V DC 110V

* Diode, Indicator light, and check button not available
** Diode for DC coils only
1. For RY4 use AC110-120V
2. For RY4 use AC220-240V
3. For RY4 use DC100 - 110V

| | | RY2 | RY4 |
|-------|---------------------------------|--------------------------|----------------|
| Specs | Contact Material | Silver (Ag), gold-plated | |
| | Contact Rating | 3A | 5A |
| | Minimum Load (reference values) | 10mA@5V DC, 5mA@24V DC | |
| | Dimensions (w x d x h) mm | 14.2x27.5x41.5 | 21.2x27.5x41.5 |

| Relays | | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | Through Panel Mount | PCB Mount |
|---------|------|-------------------------|----------------------------|---------------------|--------------------|
| Sockets | RY2S | SY2S-05 | SY2S-05C | SY2S-51 | SY2S-61 |
| | RY4S | SY4S-05 | SY4S-05C | SY4S-51 | SY4S-61 SY4S-62 |

| Relays / Sockets | | Description | For DIN Mount Socket | For Through Panel & PCB Mount Socket |
|------------------|---------------------------|------------------------------------|----------------------|--------------------------------------|
| Accessories | Hold Down Springs & Clips | RY2S | Pullover Wire Spring | SY4S-02F1 |
| | | RY4S | | SY4S-51F1 |
| | RY2S/RY4S | Leaf Spring (side latch)* | SFA-202 | SFA-302 |
| | RY2S/RY4S | Leaf Spring (top latch)* | SFA-101 | SFA-301 |
| DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 | — |
| | | DIN Rail End Stop | BNL5 | — |

*not applicable for pcb mount sockets

RF1V Series - Force-Guided Relays



- Compact and EN compliant force-guided relays
- Force-guided contact mechanism (EN50205 Type A TÜV approved)
- Contact configuration:
4-pole (2NO-2NC, 3NO-1NC)
6-pole (4NO-2NC, 5NO-1NC, 3NO-3NC)
- Built-in LED indicator available
- RoHS Compliant



RF1V - 2A2B L - D48

Contact Configuration
 2A2B=4-pole, 2NO-2NC
 3A1B=4-pole, 3NO-1NC
 4A2B=6-pole, 4NO-2NC
 5A1B= 6-pole, 5NO-1NC
 3A3B= 6-pole, 3NO-3NC

LED Indicator
 Blank=no indicator
 L=LED indicator

Coil Voltage
 D12=12V DC
 D24=24V DC
 D48=48V DC

| | | 4-Pole | 6-Pole |
|-------|---------------------------------|---------------------------------|------------|
| Specs | Contact Material | AgSnO ₂ (Au flashed) | |
| | Contact Rating | 6A@250V AC, 6A@30V DC | |
| | Minimum Load (reference values) | 5V DC 1mA | |
| | Dimensions (w x d x h) mm | 13x40x27.5 | 13x50x27.5 |

| | | Relays | Finger-safe DIN Rail/Panel Mount | PCB Mount |
|---------|---------------|------------|----------------------------------|-----------|
| Sockets | RF1V (4 pole) | SF1V-4-07L | SF1V-4-61 | |
| | RF1V (6 pole) | SF1V-6-07L | SF1V-6-61 | |

| | | Relays / Sockets | Description | For DIN Mount Socket |
|-------------|----------|-----------------------|------------------------------------|----------------------|
| Accessories | DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 |
| | | | DIN Rail End Stop | BNL5 |

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Relay & Socket Cross Reference Guide

| Allen-Bradley | IDEC |
|---------------|--------------|
| 700-HA32 | RR2P |
| 700-HA33 | RR3PA |
| 700-HAB2 | RR2P |
| 700-HAB3 | RR3PA |
| 700-HAX2 | RR2P |
| 700-HAX3 | RR3PA |
| 700-HB32 | RR2BA |
| 700-HB33 | RR3B |
| 700-HC14 | RU4S |
| 700-HC24 | RU4S |
| 700-HC54 | RU42S |
| 700-HD32 | RR2BA-US |
| 700-HD33 | RR3B-US |
| 700-HF32 | RH2B |
| 700-HF33 | RH3B |
| 700-HF34 | RH4B |
| 700-HK32_ | RJ2S-C |
| 700-HK32_-4L | RJ2S-CL |
| 700-HK36 | RJ1S-C |
| 700-HK36_-4L | RJ1S-CL |
| 700-HLT12Z48 | RV8H-L-D48 |
| 700-HLT12Z48X | RV8H-L-D48 |
| 700-HLT1U1 | RV8H-L-AD110 |
| 700-HLT1U12 | RV8H-L-AD12 |
| 700-HLT1U12X | RV8H-L-AD12 |
| 700-HLT1U1X | RV8H-L-AD110 |
| 700-HLT1U2 | RV8H-L-AD220 |
| 700-HLT1U24 | RV8H-L-AD24 |
| 700-HLT1U24X | RV8H-L-AD24 |
| 700-HLT1U2X | RV8H-L-AD220 |
| 700-HLT1U48 | RV8H-L-AD48 |
| 700-HLT1U48X | RV8H-L-AD48 |
| 700-HLT1Z12 | RV8H-L-D12 |
| 700-HLT1Z12X | RV8H-L-D12 |
| 700-HLT1Z24 | RV8H-L-D24 |
| 700-HLT1Z24X | RV8H-L-D24 |
| 700-HLT2Z48 | RV8H-S-D48 |
| 700-HLT2U1 | RV8H-S-AD110 |
| 700-HLT2U12 | RV8H-S-AD12 |

Relays

| | | |
|-----------------|-------------------------|--------------|
| | 700-HLT2U2 | RV8H-S-AD220 |
| | 700-HLT2U24 | RV8H-S-AD24 |
| | 700-HLT2U48 | RV8H-S-AD48 |
| | 700-HLT2Z12 | RV8H-S-D12 |
| | 700-HLT2Z24 | RV8H-S-D24 |
| Relays con't | 700-HPX2 | RQ2V-CN |
| | 700-TBR12 | RV1H-G-D12 |
| | 700-TBR24 | RV1H-G-D24 |
| | 700-TBR48 | RV1H-G-D48 |
| | 700-TBR60 | RV1H-G-D60 |
| | 700-HN116 | SH2B-05 |
| | 700-HN121 | SJ1S-05B |
| | 700-HN122 | SJ2S-05B |
| | 700-HN123 | SQ2V-07B |
| | 700-HN125 | SR2P-06 |
| | 700-HN126 | SR3P-06 |
| Sockets | 700-HN128 | SY4S-05 |
| | 700-HN138 | SH3B-05 |
| | 700-HN139 | SH4B-05 |
| | 700-HN154 | SR3B-05 |
| | 700-HN177 | SV9Z-SAW |
| | 700-TBJ20* | SV9Z-J20* |
| | 1492-MC6X10 | SV9Z-PW16 |
| ABB | IDEC | |
| | D 2,5/5-MP-24VDC | RV1H-G-D24 |
| | D 2,5/5-MP-48VDC | RV1H-G-D48 |
| | D 2,5/5-R121AL-24VAC/DC | RV8H-L-AD24 |
| Relays | D 2,5/5-R121AL-48VAC/DC | RV8H-L-AD48 |
| | D 2,5/5-R121BL-110VAC | RV8H-L-AD110 |
| | D 2,5/5-R121BL-230VAC | RV8H-L-AD220 |
| | D 2,5/5-R121L-24VDC | RV8H-L-D24 |
| Socket | RC55 | SV9Z-PW16 |

| Cutler-Hammer | | IDEC |
|----------------------|------------------|--------------|
| Relays | D2PR2 | RU2S |
| | D2PR4 | RU4S |
| | D3PR2 | RR2P |
| | D3PR3 | RR3PA |
| | D3PR5 | RR2KP |
| | D5PR2 | RR2P |
| | D5PR3 | RR2P |
| | D7PR2 | RH2B |
| | D7PR3 | RH3B |
| | D7PR4 | RH4B |
| | XRR1D12 | RV1H-G-D12 |
| | XRR1D24 | RV1H-G-D24 |
| | XRU1D12 | RV8H-L-D12 |
| | XRU1D120U | RV8H-L-AD110 |
| | XRU1D24 | RV8H-L-D24 |
| XRU1D24U | RV8H-L-AD24 | |
| Sockets | D2PA4 | SY4S-05 |
| | D2PA6 | SY4S-05 |
| | D5PA2 | SR3B-05 |
| | D3PA2 | SR2P-05 |
| | D3PA3-A2 | SR3P-06 |
| | D3PA4 | SR2P-51 |
| | D3PA2 | SR2P-05 |
| | D7PA2 | SH2B-05 |
| | D7PA5 | SH2B-51 |
| D7PA3 | SH3B-05 | |
| D7PA4 | SH4B-05 | |
| Cyberdyn | | IDEC |
| Relay | HJQ-22F | RU4S/RV4S |
| Socket | PYF14A-A | SY4S-05 |
| Finder | | IDEC |
| Relays | 34.51.7.005.0010 | RV1H-G-D6 |
| | 34.51.7.012.0010 | RV1H-G-D12 |
| | 34.51.7.024.0010 | RV1H-G-D24 |
| | 34.51.7.048.0010 | RV1H-G-D48 |
| | 34.51.7.060.0010 | RV1H-G-D60 |
| | 38.51.0.012.5060 | RV8H-L-AD18 |
| | 38.51.0.024.5060 | RV8H-L-AD24 |
| | 38.51.0.048.5060 | RV8H-L-AD48 |

| | | |
|------------------|------------------|--------------|
| Relays con't | 38.51.0.060.5060 | RV8H-L-AD60 |
| | 38.51.0.125.5060 | RV8H-L-AD110 |
| | 38.51.0.240.5060 | RV8H-L-AD220 |
| | 38.51.7.006.5050 | RV8H-L-D6 |
| | 38.51.7.012.5050 | RV8H-L-D12 |
| | 38.51.7.024.5050 | RV8H-L-D24 |
| | 38.51.7.048.5050 | RV8H-L-D48 |
| | 38.61.0.012.5060 | RV8H-S-AD18 |
| | 38.61.0.024.5060 | RV8H-S-AD24 |
| | 38.61.0.048.5060 | RV8H-S-AD48 |
| | 38.61.0.060.5060 | RV8H-S-AD60 |
| | 38.61.0.125.5060 | RV8H-S-AD110 |
| | 38.61.0.240.5060 | RV8H-S-AD220 |
| | 38.61.7.006.5050 | RV8H-S-D6 |
| | 38.61.7.012.5050 | RV8H-S-D12 |
| 38.61.7.024.5050 | RV8H-S-D24 | |
| 38.61.7.048.5050 | RV8H-S-D48 | |
| Sockets | 41.31./40.31. | RQ1V-CM |
| | 41.52./40.52. | RQ2V-CN |
| | 41.61./40.61. | RQ1V-CH |
| | 46.61._0 | RJ1S-C |
| | 93.01 | SV9Z-PW16 |
| | 93.2 | SV9Z-J20* |
| | 93.64 | SV9Z-SAW |
| | 93.01.0.024 | SV1H-07L-1 |
| | 93.01.0.060 | SV1H-07L-2 |
| | 93.01.0.125 | SV1H-07L-3 |
| | 93.01.0.240 | SV1H-07L-4 |
| | 93.51.0.024 | SV1H-07LS-1 |
| | 93.51.0.060 | SV1H-07LS-2 |
| | 93.51.0.125 | SV1H-07LS-3 |
| | 93.51.0.240 | SV1H-07LS-4 |
| 95.03/95.83.3 | SQ1V-07B | |
| 95.05/95.85.3 | SQ2V-07B | |

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| Omron | | IDEC |
|--------------|--------------------|--------------|
| | G2R-1 | RQ1V-CM |
| | G2R-1-E | RQ1V-CH |
| | G2R-1-S | RJ1S-C |
| | G2R-1-SN | RJ1S-CL |
| | G2R-2 | RQ2V-CN |
| | G2R-2-S | RJ2S-C |
| | G2R-2-SN | RJ2S-CL |
| | G2RL-1 | RQ1V-CM |
| | G2RL-1-E | RQ1V-CH |
| | G2RL-2 | RQ2V-CN |
| | G2RV-1-S DC11 | RV1H-G-D12 |
| | G2RV-1-S DC21 | RV1H-G-D24 |
| | G2RV-1-S DC48 | RV1H-G-D48 |
| | G2RV-SL500-AC/DC24 | RV8H-S-AD24 |
| | G2RV-SL500-AC/DC48 | RV8H-S-AD48 |
| | G2RV-SL500-AC110 | RV8H-S-AD110 |
| | G2RV-SL500-AC230 | RV8H-S-AD220 |
| | G2RV-SL500-DC12V | RV8H-S-D12 |
| | G2RV-SL500-DC24V | RV8H-S-D24 |
| Relays | G2RV-SL700-AC/DC24 | RV8H-L-AD24 |
| | G2RV-SL700-AC/DC48 | RV8H-L-AD48 |
| | G2RV-SL700-AC110 | RV8H-L-AD110 |
| | G2RV-SL700-AC230 | RV8H-L-AD220 |
| | G2RV-SL700-DC12V | RV8H-L-D12 |
| | G2RV-SL700-DC24V | RV8H-L-D24 |
| | G7SA-2A2B | RF1V-2A2B |
| | G7SA-3A1B | RF1V-3A1B |
| | G7SA-3A3B | RF1V-3A3B |
| | G7SA-4A2B | RF1V-4A2B |
| | G7SA-5A1B | RF1V-5A1B |
| | LY2 | RH2 |
| | LY3 | RH3 |
| | LY4 | RH4 |
| | MJN1 | RR1BA |
| | MJN2 | RR2BA |
| | MJN3 | RR3B |
| | MK2P | RR2P |
| | MK3P | RR3PA |
| | MRL | RR2KP |

| | | |
|------------------------------------|-------------|-------------|
| Relays con't | MY2 | RU2 |
| | MY4 | RU4/RY4 |
| Sockets | P2RF-05 | SJ1S-05B |
| | P2RF-05-E | SJ1S-07L |
| | P2RF-08 | SJ2S-05B |
| | P2RF-08-E | SJ2S-07L |
| | P2RV-S | SV9Z-SAW |
| | P2RVM-200* | SV9Z-J20* |
| | P7SA-10F | SF1V-4-07L |
| | P7SA-10P | SF1V-4-61 |
| | P7SA-14F | SF1V-6-07L |
| | P7SA-14P | SF1V-6-61 |
| | PF083A-E | SR2P-06 |
| | PF113A-E | SR3P-05 |
| | PTF08A-E | SH2B-05 |
| | PTF11A | SH3B-05 |
| | PTF11PC | SR3B-05 |
| PTF14A-E | SH4B-05 | |
| PYF08A-E | SM2S-05 | |
| PYF14A-E | SY4S-05 | |
| R99-15 for G2RV | SV9Z-PW16 | |
| Panasonic/Aromat/Matsushita | | IDEC |
| Relays | AHN1 | RJ1S-CL |
| | AHN2 | RJ2S-CL |
| | SFS2 | RF1V-2A2B |
| | SFS2-L | RF1V-2A2BL |
| | SFS2--D | RF1V-2A2BD |
| | SFS2-L--D | RF1V-2A2BLD |
| | SFS3 | RF1V-3A1B |
| | SFS3-L | RF1V-3A1BL |
| | SFS3--D | RF1V-3A1BD |
| | SFS3-L--D | RF1V-3A1BLD |
| | SFS4 | RF1V-4A2B |
| | SF4S-L | RF1V-4A2BL |
| | SF4S--D | RF1V-4A2BD |
| | SF4S-L--D | RF1V-4A2BLD |
| | SF5S | RF1V-5A1B |
| SF5S-L | RF1V-5A1BL | |
| SF5S--D | RF1V-5A1BD | |
| SF5S-L--D | RF1V-5A1BLD | |

| | | |
|------------------------|-----------------------|-------------------|
| Relays con't | SFS6 | RF1V-3A3B |
| | SFS6-L | RF1V-3A3BL |
| | SFS6--D | RF1V-3A3BD |
| | SFS6-L--D | RF1V-3A3BLD |
| Sockets | AHNA11 | SJ1S-05B |
| | AHNA21 | SJ2S-05B |
| Phoenix Contact | | IDEC |
| Relays | PCL-RSP-12DC/21 | RV8H-S-D12 |
| | PLC-RSC-120UC/21 | RV8H-L-AD110 |
| | PLC-RSC-120UC/21AU | RV8H-L-AD110 |
| | PLC-RSC-12DC/21 | RV8H-L-D12 |
| | PLC-RSC-12DC/21AU | RV8H-L-D12 |
| | PLC-RSC-230UC/21 | RV8H-L-AD220 |
| | PLC-RSC-230UC/21AU | RV8H-L-AD220 |
| | PLC-RSC-24DC/21 | RV8H-L-D24 |
| | PLC-RSC-24DC/21AU | RV8H-L-D24 |
| | PLC-RSC-24UC/21 | RV8H-L-AD24 |
| | PLC-RSC-24UC/21AU | RV8H-L-AD24 |
| | PLC-RSC-48DC/21 | RV8H-L-D48 |
| | PLC-RSC-48DC/21AU | RV8H-L-D48 |
| | PLC-RSC-12DC/21 C1D2 | RV8H-L-D12-C1D2 |
| | PLC-RSC-24DC/21 C1D2 | RV8H-L-D24-C1D2 |
| | PLC-RSC-120UC/21 C1D2 | RV8H-L-AD110-C1D2 |
| | PLC-RSC-230UC/21 C1D2 | RV8H-L-AD220-C1D2 |
| | PLC-RSP-120UC/21 | RV8H-S-AD110 |
| | PLC-RSP-230UC/21 | RV8H-S-AD220 |
| | PLC-RSP-24DC/21 | RV8H-S-D24 |
| | PLC-RSP-24UC/21 | RV8H-S-AD24 |
| | PLC-RSP-48DC/21 | RV8H-S-D48 |
| | PLC-RSP-24DC/21 C1D2 | RV8H-S-D24-C1D2 |
| | PLC-RSP-120UC/21 C1D2 | RV8H-S-AD110-C1D2 |
| | REL-MR- 12DC/21 | RV1H-G-D12 |
| | REL-MR- 12DC/21AU | RV1H-G-D12 |
| | REL-MR- 24DC/21 | RV1H-G-D24 |
| | REL-MR- 24DC/21AU | RV1H-G-D24 |
| | REL-MR- 48DC/21 | RV1H-G-D48 |
| | REL-MR- 48DC/21AU | RV1H-G-D48 |
| | REL-MR- 60DC/21 | RV1H-G-D60 |
| | REL-MR- 60DC/21AU | RV1H-G-D60 |

| Relco (Turck) | | IDEC | |
|----------------------|-----------------------|-----------------------|--------------|
| Relays | C2-A20 | RR2P | |
| | C3-A20 | RR3PA | |
| | C4-A40 | RU4S | |
| | C5-A20 | RR2BA | |
| | C5-A30 | RR3B | |
| | C7-A20 | RH2B | |
| | C9-A41 | RU42S | |
| | C10-A10 | RJ1S-CL | |
| | Sockets | S2-B | SR2P-06 |
| | | S2-S | SR2P-05C |
| S2-L | | SR2P-51 | |
| S3-B | | SR3P-06 | |
| S3-S | | SR3P-05C | |
| S3-L | | SR3P-51 | |
| S4-B | | SY4S-05C | |
| S5-S | | SR3B-05 | |
| S5-L | | SR3B-51 | |
| S7-M | | SH2B-05C | |
| S7-16 | | SH2B-05C | |
| S7-L | | SH2B-51 | |
| S7-P | | SH2B-62 | |
| S9-M | | SY4S-05C | |
| S9-L | | SY4S-51 | |
| S9-P | | SY4S-62 | |
| S-10 | | SJ1S-07L | |
| Relpol | | IDEC | |
| Relays | | PIR6W-1P-115VAC/DC | RV8H-L-AD110 |
| | | PIR6W-1P-115VAC/DC-01 | RV8H-L-AD110 |
| | PIR6W-1P-12VDC | RV8H-L-D12 | |
| | PIR6W-1P-12VDC-01 | RV8H-L-D12 | |
| | PIR6W-1P-230VAC/DC | RV8H-L-AD220 | |
| | PIR6W-1P-230VAC/DC-01 | RV8H-L-AD220 | |
| | PIR6W-1P-24VAC/DC | RV8H-L-AD24 | |
| | PIR6W-1P-24VAC/DC-01 | RV8H-L-AD24 | |
| | PIR6W-1P-24VDC | RV8H-L-D24 | |
| | PIR6W-1P-24VDC-01 | RV8H-L-D24 | |
| | RM699V-3011-85-1012 | RV1H-G-D12 | |
| | RM699V-3011-85-1024 | RV1H-G-D24 | |
| | RM699V-3011-85-1060 | RV1H-G-D60 | |

| | | |
|---|--------------------|--------------|
| Sockets | PIR6W-1P-115VAC/DC | SV1H-07L-3 |
| | PIR6W-1P-230VAC/DC | SV1H-07L-4 |
| | PIR6W-1P-24VAC/DC | SV1H-07L-1 |
| | ZG20-1* | SV9Z-J20* |
| Schneider Electric, Magnecraft Brand | | IDEC |
| | 750XBX | RR2P |
| | 750XCX | RR3PA |
| | 78(1)XAX | RH1B |
| | 782XBX | RH2B |
| | 782XBX1 | RU2S |
| | 782XBX2 | RU2S |
| | 782XDX1 | RU4S |
| | 782XDX2 | RU4S |
| | 782XDX3 | RU42S |
| | 783XCX | RH3B |
| | 784XDX | RH4B |
| | 788XBX | RR2BA |
| | 788XCX | RR3B |
| | 78XCX | RH3B |
| | 78XDX | RH4B |
| Relays | A283XAX | RR1BA |
| | A283XBX | RR2BA |
| | A283XCX | RR3B |
| | A314XBX | RR2P |
| | A314XCX | RR3PA |
| | RSL 1AB4BD | RV1H-G-D24 |
| | RSL 1AB4ED | RV1H-G-D48 |
| | RSL 1AB4JD | RV1H-G-D12 |
| | RSL 1AB4ND | RV1H-G-D60 |
| | RSL 1PRBU | RV8H-S-AD24 |
| | RSL 1PREU | RV8H-S-AD48 |
| | RSL 1PRFU | RV8H-S-AD110 |
| | RSL 1PRJU | RV8H-S-AD12 |
| | RSL 1PRPU | RV8H-S-AD220 |
| | RSL 1PVBU | RV8H-L-AD24 |
| | RSL 1PVEU | RV8H-L-AD48 |
| | RSL 1PVFU | RV8H-L-AD110 |
| | RSL 1PVJU | RV8H-L-AD12 |
| | RSL 1PVPU | RV8H-L-AD220 |
| | W250ACPX | RR2P |
| W250CPX | RR3PA | |

| | | |
|---------------------------------------|-------------|-------------|
| Relays con't | W388 | RR*B |
| | W78(A)CSX | RU4S |
| | W78(A)R | RH2B |
| | W78(A)T | RU42S |
| Sockets | 70-464-1 | SR2P-06 |
| | 70-465-1 | SR3P-06 |
| | 70-459-1 | SH2B-05 |
| | 70-461-1 | SY4S-05 |
| | 70-783D-1 | SH3B-05C |
| | 70-463-1 | SR3B-05 |
| | 70-124-1 | SR3B-51 |
| | 70-378-1 | SY4S-51 |
| | 70-401-1 | SH2B-51 |
| | 70-402-1 | SH2B-62 |
| | 70-379-1 | SY4S-61 |
| | 70-781D-1 | SH1B-05 |
| | 70-781F-1 | SH1B-51 |
| | 70-781T-1 | SH1B-62 |
| | 70-784D-1 | SH4B-05C |
| | 70-78D-1 | SH4B-05 |
| | RSL ZRA1 | SV1H-07LS-1 |
| | RSL ZRA2 | SV1H-07LS-2 |
| | RSL ZRA3 | SV1H-07LS-3 |
| | RSL ZRA4 | SV1H-07LS-4 |
| RSL ZVA1 | SV1H-07L-1 | |
| RSL ZVA2 | SV1H-07L-2 | |
| RSL ZVA3 | SV1H-07L-3 | |
| RSL ZVA4 | SV1H-07L-4 | |
| RSL Z2 | SV9Z-J20* | |
| Square D by Schneider Electric | | IDEC |
| Relays | 8501KF12 | RR2BA-US |
| | 8501KF13 | RR3B-US |
| | 8501KP12 | RR2P |
| | 8501KP13 | RR3PA |
| | 8501KU12 | RR2BA |
| | 8501KU13 | RR3B |
| | 8501RS(D)14 | RU4S/R44S |
| | 8501RS(D)24 | RU42S/R42S |
| | 8501RS(D)4 | RU4S/R44S |
| | 8501RS(D)41 | RH1B |

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|--|-------------|-------------|
| Relays con't | 8501RS(D)42 | RH2B |
| | 8501RS(D)43 | RH3B |
| | 8501RS(D)44 | RH4B |
| Sockets | 8501NR82 | SR3B-05 |
| | 8501NR52 | SR2P-05 |
| | 8501NR52F | SR2P-05C |
| | 8501NR62 | SR3P-05 |
| | 8501NR62F | SR3P-05C |
| | 8501NR61 | SR3P-06 |
| | 8501NR45 | SY4S-05 |
| | 8501NR45F | SY4S-05C |
| | 8501NR41 | SH1B-05 |
| | 8501NR42 | SH2B-05 |
| | 8501NR42F | SH2B-05C |
| | 8501NR43 | SH3B-05 |
| | 8501NR34 | SH4B-05 |
| TE Connectivity, Potter & Brumfield | | IDEC |
| Relays | K10 | RH2B |
| | KHAE-11 | RM2V |
| | KHAE-17 | RY4V |
| | KHAU-11 | RU2S |
| | KHAU-17 | RU4S |
| | KRP(A)-11 | RR2P |
| | KRP(A)-14 | RR3PA |
| | KUP-11 | RR2BA |
| | KUP-14 | RR3B |
| | KUP-5 | RR1BA |
| | KUP93-11 | RR3B |
| | RT114_F | RQ1V-CM |
| | RT424_F | RQ2V-CN |
| | RT314_F | RQ1V-CH |
| | Sockets | 8-1415035-1 |
| 6-1415035-1 | | SQ2V-07B |
| 27E895 | | SH2B-05 |
| 27E489 | | SH2B-62 |
| 27E024 | | SY4S-62 |
| 27E891 | | SR2P-06 |
| 27E892 | | SR2P-05 |
| 27E123 | | SR3P-06 |

| | | |
|---------------------------------|-------------------|--------------|
| Sockets con't | 27E893 | SR3B-05 |
| | 27E168 | SR3B-51 |
| TE Connectivity, Schrack | | IDEC |
| Relays | MT2 | RR2P |
| | MT3 | RR3PA |
| | PT2 | RU2S |
| | PT4 | RU4S |
| | RM2 | RR2BA |
| | RM3 | RR3B |
| | RT114 | RQ1V-CM |
| | RT314 | RQ1V-CH |
| | RT424 | RQ2V-CN |
| | ST3P2LC4 | RV8H-L-D24 |
| | ST3P3LB2 | RV8H-L-D12 |
| | ST3P3LC4 | RV8H-L-D24 |
| | ST3P3SM5 | RV8H-L-AD110 |
| | ST3P3TP0 | RV8H-L-AD220 |
| | ST4P3LB2 | RV8H-S-D12 |
| | ST4P3LC4 | RV8H-S-D24 |
| | ST4P3SM5 | RV8H-S-AD110 |
| | ST4P3TP0 | RV8H-S-AD220 |
| | V23092-S1012-A301 | RV1H-G-D12 |
| | V23092-S1024-A301 | RV1H-G-D24 |
| V23092-S1060-A301 | RV1H-G-D60 | |
| Sockets | 8-1415035-1 | SQ1V-07B |
| | 6-1415035-1 | SQ2V-07B |
| | MT78755 | SR2P-06 |
| | MT78750 | SR3P-06 |
| | PT78702 | SM2S-05 |
| | PT78704 | SY4S-05 |
| | 27E023/27E220 | SY4S-61 |
| | ST3FLC4 | SV1H-07L-1 |
| | ST3FSM5 | SV1H-07L-3 |
| | ST3FTP0 | SV1H-07L-4 |
| ST4FLC4 | SV1H-07LS-1 | |
| ST4FSM5 | SV1H-07LS-3 | |
| ST4FTP0 | SV1H-07LS-4 | |

| | Weidmuller | IDEC |
|---------|-----------------------|-------------------|
| Relays | MRS 12 VDC 1CO | RV8H-L-D12 |
| | MRS 12VDC 1CO C1D2 | RV8H-L-D12-C1D2 |
| | MRS 120 VUC 1CO | RV8H-L-AD110 |
| | MRS 230 VUC 1CO | RV8H-L-AD220 |
| | MRS 24 VDC 1CO | RV8H-L-D24 |
| | MRS 24 VUC 1CO | RV8H-L-AD24 |
| | MRS 24VDC 1CO C1D2 | RV8H-L-D24-C1D2 |
| | MRS 24VUC 1CO C1D2 | RV8H-L-AD24-C1D2 |
| | MRS 5 VDC 1CO | RV8H-L-D6 |
| | MRZ 12 VDC 1CO | RV8H-S-D12 |
| | MRZ 120 VUC 1CO | RV8H-S-AD110 |
| | MRS 120 VUC 1CO C1D2 | RV8H-L-AD110-C1D2 |
| | MRZ 230 VUC 1CO | RV8H-S-AD220 |
| | MRS 230 VUC 1CO C1D2 | RV8H-L-AD220-C1D2 |
| | MRZ 24 VDC 1CO | RV8H-S-D24 |
| | MRZ 24 VUC 1CO | RV8H-S-AD24 |
| | MRZ 5 VDC 1CO | RV8H-S-D6 |
| | RSS112060 60Vdc-Rel1U | RV1H-G-D60 |
| | RSS113012 12Vdc-Rel1U | RV1H-G-D12 |
| | RSS113024 24Vdc-Rel1U | RV1H-G-D24 |
| Sockets | WS 12/6 | SV9Z-PW16 |
| | ZQV 4N / 20 * | SV9Z-J20* |

*Indicates additional digits required to complete part number.

Note: The cross references listed are the closest match physically and functionally. If you are looking to match a specific application requirement, please refer to our Industrial Automation Catalog. For an evaluation unit or technical support, contact IDEC or call your local sales representative.

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Catalog no. MKT-QSGR-3 01/13 7.5K (PDF updated 04/14)

Specifications and other descriptions in this catalog are subject to change without notice.

LED Machine Lighting

- General Machine Lighting
- Heavy Duty Machine Tool Lighting
- Refrigeration & Freezer Lighting
- Flat Panel Inspection Lighting
- Hazardous Location Lighting

Automation & Sensing

- PLCs
- Operator Interfaces
- Automation Software
- Power Supplies
- Sensors
- Communications & Networking
- Barriers

Safety

- Emergency Stops
- Door Interlock Switches
- Enabling Switches
- Safety Controllers
- Light Curtains
- AS-i Safety at Work

Switching & Controls

- Switches & Pilot Devices
- Signaling Lights
- Relays
- Timers
- Contactors
- Terminal Blocks
- Circuit Breakers

RV8H Series - 6mm Interface Relays



Screw Terminals



Spring Clamp Terminals

- Class I, Division 2 and Class I, Zone 2 hazardous locations
- Space-saving 6mm width
- Only 70mm in height from DIN rail
- Gold-plated contacts
- Pre-assembled relay and DIN mount socket
- Universal screw (flat and Phillips) or spring clamp terminals
- Preprinted marking plates available
- RoHS Compliant



(when using combination of RV1H relay and SV1H socket)

RV8H - L - AD110 - C1D2

Terminals
L=Screw
S=Spring Clamp

Voltage Code
D6=6V DC AD12=12V AC/DC
D9=9V DC AD18=18V AC/DC
D12=12V DC AD24=24V AC/DC
D18=18V DC AD48=48V AC/DC
D24=24V DC AD60=60V AC/DC
AD110=100-125V AC/DC
AD220=220V-240V AC/DC

Rating
C1D2=Class I Division 2 rating
Blank=no CID2 rating

| | | RV8H |
|-------|---------------------------------|-------------------|
| Specs | Contact Material | AgNi (Au plating) |
| | Contact Rating | 6A |
| | Minimum Load (reference values) | 6V DC 10mA |
| | Dimensions (w x d x h) mm | 6.1x74.2x88 |

| | Complete Part Number | Socket | | Relay | Complete Part Number | Socket | | Relay |
|-------------------|----------------------|------------|--------------|------------|----------------------|------------|--------------|------------|
| | | Screw | Spring Clamp | | | Screw | Spring Clamp | |
| Replacement Parts | RV8H-□-D6 | SV1H-07L-5 | SV1H-07LS-5 | RV1H-G-D5 | RV8H-□-AD18 | SV1H-07L-1 | SV1H-07LS-1 | RV1H-G-D18 |
| | RV8H-□-D9 | | | RV1H-G-D9 | RV8H-□-AD24 | SV1H-07L-1 | SV1H-07LS-1 | RV1H-G-D24 |
| | RV8H-□-D12 | | | RV1H-G-D12 | RV8H-□-AD48 | SV1H-07L-2 | SV1H-07LS-2 | RV1H-G-D48 |
| | RV8H-□-D18 | | | RV1H-G-D18 | RV8H-□-AD60 | SV1H-07L-2 | SV1H-07LS-2 | RV1H-G-D60 |
| | RV8H-□-D24 | | | RV1H-G-D24 | RV8H-□-AD110 | SV1H-07L-3 | SV1H-07LS-3 | RV1H-G-D60 |
| | RV8H-□-AD12 | | | RV1H-G-D12 | RV8H-□-AD220 | SV1H-07L-4 | SV1H-07LS-4 | RV1H-G-D60 |

In place of □ insert Terminal code: L=Screw terminals, S=Spring Clamp Terminals.

| | Description | Color | Part Number |
|-------------|----------------------------|-------|-------------|
| Accessories | Jumper (20 combs) | Black | SV9Z-J20B |
| | | Gray | SV9Z-J20W |
| | | Blue | SV9Z-J20S |
| | Spacer (circuit separator) | — | SV9Z-SA2W |
| | Marking Plate (10 pcs) | White | SV9Z-PW10 |
| | Screwdriver | — | BC1S-SD0 |

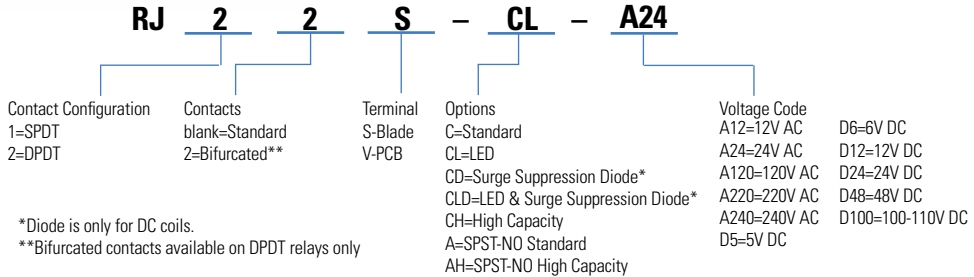
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RJ Series - Slim Power Relays



- Compact size for maximum space savings on DIN rail
- SPDT 12A and DPDT 8A contacts (high capacity 16A SPST-NO available)
- Optional non-polarized, green LED
- Locking and release lever on SJ sockets
- RoHS Compliant



| | RJ1S | RJ2S | RJ22S | RJ22V |
|----------------------------------|---------------------------------------|------|------------------|-------|
| Specs Contact Material | Silver-Nickel Alloy | | AgNi (gold clad) | |
| Contact Rating | 12A | 8A | 1A | 1A |
| Minimum Load (reference values) | 100mA@5V DC, 10mA@5V DC (PCB version) | | 100µA@1V DC | |
| Dimensions (w x d x h) mm | 12.7x28.8x33 | | | |

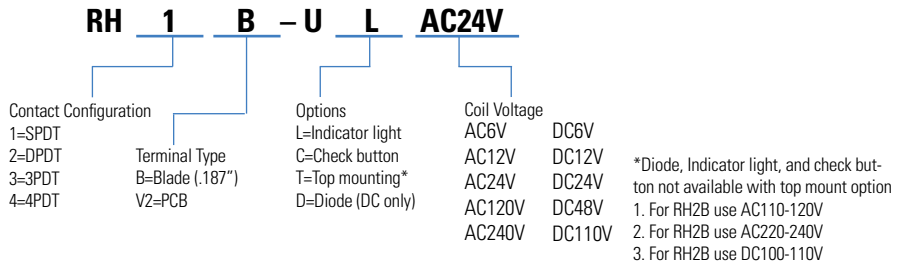
| Relays | | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | PCB Mount |
|------------------------|---------------------|-------------------------|----------------------------|-----------|
| Sockets | Blade Models | | | |
| | RJ1S (Std) | SJ1S-05BW | SJ1S-07LW | SJ1S-61 |
| | RJ2S (Std) RJ22S | SJ2S-05BW | SJ2S-07LW | SJ2S-61 |
| | PCB Models | | | |
| RJ1V (Std) | – | SQ1V-07B | SQ1V-63 | |
| RJ1V (HC) , RJ2V/RJ22V | – | SQ2V-07B | SQ2V-63 | |

| | | Use With Socket | Description | Part Number |
|----------------------|----------------------------|--|------------------------------------|-------------|
| Accessories | Hold Down Springs | SJ1S-05BW, SJ1S-07LW SJ2S-05BW, SJ2S-07LW | Pullover Locking Lever | SJ9Z-CM |
| | | SQ1V-07B, SQ2V-07B | | SQ9Z-C |
| | | SQ1V-63, SQ2V-63 | | SQ9Z-C63 |
| | | | | |
| | DIN Rail | SJ1S-05BW, SJ2S-05BW SJ1S-07LW, SJ2S-07LW | Aluminum DIN Rail (1 meter length) | BNDN1000 |
| | | | DIN Rail End Stop | BNL5 |
| | Jumpers | all DIN mount sockets | 2 Poles | SJ9Z-JF2 |
| | | | 5 Poles | SJ9Z-JF5 |
| | | | 8 Poles | SJ9Z-JF8 |
| | | | 10 Poles | SJ9Z-JF10 |
| Marking Plate | Finger Safe Sockets (only) | mount in choice of 5 different positions (sold in packs of 10) | SJ9Z-PWPN10 | |

RH Series - Compact Power Relays



- Small, industrial 10A GP relay
- SPDT, DPDT, 3PDT, 4PDT contacts
- Options: Indicator LED, check-button, top-mounting and surge-suppression diodes
- DIN rail, through panel, and PCB-type sockets available
- SPDT and DPDT 500K cycle UL tested for maximum life expectancy
- RoHS Compliant



| | | RH1 | RH2 | RH3 | RH4 |
|-------|---------------------------------|------------------------------|------------|------------|------------|
| Specs | Contact Material | Silver cadmium oxide (AgCdO) | | | |
| | Contact Rating | 10A | | | |
| | Minimum Load (reference values) | 30mA@24V DC, 100mA@5V DC | | | |
| | Dimensions (w x d x h) mm | 14x27.5x42 | 21x27.5x42 | 31x27.5x42 | 41x27.5x42 |

| | | Relays | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | Through Panel Mount | PCB Mount |
|-------------------------------------|------|--------|-------------------------|----------------------------|---------------------|-----------|
| Sockets (for Blade Terminal Models) | RH1B | | SH1B-05 | SH1B-05C | SH1B-51 | SH1B-62 |
| | RH2B | | SH2B-05 | SH2B-05C | SH2B-51 | SH2B-62 |
| | RH3B | | SH3B-05 | SH3B-05C | SH3B-51 | SH3B-62 |
| | RH4B | | SH4B-05 | SH4B-05C | SH4B-51 | SH4B-62 |

| | | Relays / Sockets | Description | For DIN Mount Socket | For Through Panel & PCB Mount Socket |
|-------------|---------------------------|------------------------------------|--------------------------|----------------------|--------------------------------------|
| Accessories | Hold Down Springs & Clips | RH1B | Pullover Wire Spring | SY2S-02F1 | SY4S-51F1 |
| | | RH2B | | SY4S-02F1 | |
| | | RH3B | | SH3B-05F1 | |
| | | RH4B | | SH4B-02F1 | |
| | | RH1B, RH2B, RH3B, RH4B | Leaf Spring (side latch) | SFA-202 | SFA-302 |
| | | RH1B, RH2B, RH3B, RH4B | Leaf Spring (top latch) | SFA-101 | SFA-301 |
| DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 | - | |
| | | DIN Rail End Stop | BNL5 | - | |

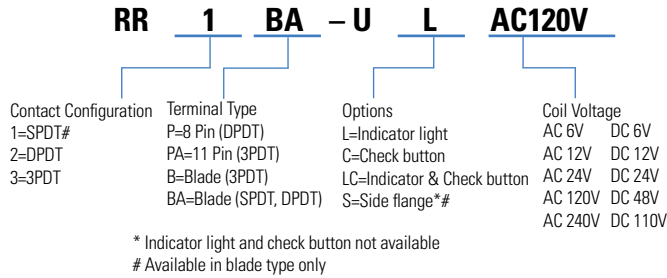
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RR Series - Power Relays



- Rugged, industrial 10A relay
- SPDT, DPDT, 3PDT 10A contacts
- Options: Indicator LED, check-button and side-flange mounting
- Round 8- and 11-pin base and square-blade base relays
- Horsepower rated for small motors and solenoids
- RoHS Compliant



| | | RR2P | RR3PA | RR1BA | RR2BA | RR3B |
|--------------|---------------------------------|-------------------------|--------------|----------------|-------|------|
| Specs | Contact Material | Silver (Ag) | | | | |
| | Contact Rating | 10A | | | | |
| | Minimum Load (reference values) | 10mA@24V DC, 20mA@5V DC | | | | |
| | Dimensions (w x d x h) mm | 29.3x36.4x56 | 36.4x36.4x56 | 36.4x36.4x55.4 | | |

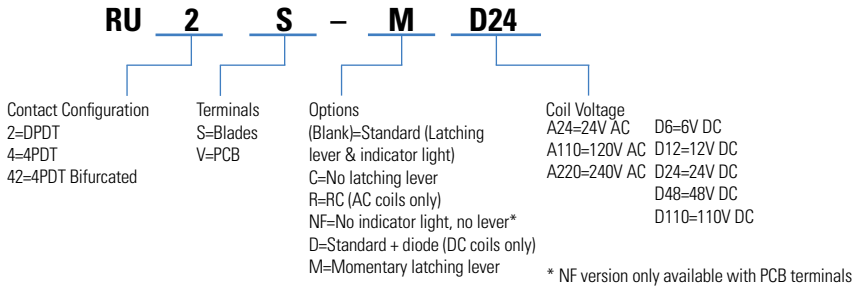
| | | Relays | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | Through Panel Mount |
|----------------|-------|------------------|-------------------------|----------------------------|---------------------|
| Sockets | RR2P | SR2P-05, SR2P-06 | SR2P-05C | SR2P-51 | |
| | RR3PA | SR3P-05, SR3P-06 | SR3P-05C | SR3P-51 | |
| | RR1BA | SR3B-05 | - | SR3B-51 | |
| | RR2BA | | | | |
| | RR3B | | | | |

| | | Relays / Sockets | Description | For DIN Mount Socket | For Through Panel Mount Socket |
|--------------------|--------------------------------------|-----------------------|------------------------------------|----------------------|--------------------------------|
| Accessories | Hold Down Springs & Clips | RR2P | Pullover Wire Spring | SR2B-02F1 | SR3P-01F1 |
| | | RR3PA | | SR3B-02F1 | |
| | | RR1BA, RR2BA, RR3B | | SR3B-02F1 | SR3B-02F1 |
| | | RR2P, RR3PA | Leaf Spring (side latch) | SFA-203 | - |
| | DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 | - |
| | | DIN Rail End Stop | BNL5 | - | |

RU Series - Universal Relays



- 100% robotic assembly
- DPDT 10A, 4PDT 6A and bifurcated 4PDT 3A contacts
- Spot-welding technology eliminates internal wires and solder
- Non-polarized, green LED
- Color-coded, snap-on marking plates
- RoHS compliant



| | | RU2 | RU4 | RU42 |
|-------|---------------------------------|--------------|---------|-----------------|
| Specs | Contact Material | AgSnOIn | AuAg/Ag | AuAg/AgNi |
| | Contact Rating | 10A | 6A | 3A (bifurcated) |
| | Minimum Load (reference values) | 5mA@24V DC | | |
| | Dimensions (w x d x h) mm | 21x27.5x41.4 | | |

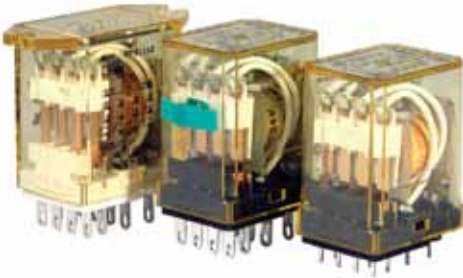
| Relays | | Spring Clamp DIN Rail Mount | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | Panel Mount | PCB Mount |
|---------|-----------------------------|-----------------------------|-------------------------|----------------------------|-------------|--------------------|
| Sockets | RU2S (DPDT) | SU2S-11L | SM2S-05 | SM2S-05C | SY4S-51 | SM2S-61 SM2S-62 |
| | RU4S (4PDT) RU42S (4PDT) | SU4S-11L | SY4S-05 | SY4S-05C | | SY4S-61 SY4S-62 |

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| Relays / Sockets | | Description | For DIN Mount Socket | For Through Panel & PCB Mount Socket | |
|------------------|---------------------------|-----------------------|------------------------------------|--|-----------|
| Accessories | Hold Down Springs & Clips | RU2S/RU4S/RU42S | Pullover Wire Spring | SY4S-02F1 | SY4S-51F1 |
| | | RU2S/RU4S/RU42S | Leaf Spring (side latch) | SFA-202 | SFA-302 |
| | | RU2S/RU4S/RU42S | Leaf Spring (top latch) | SFA-101 | SFA-301 |
| | DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 | — |
| | | | DIN Rail End Stop | BNL5 | — |
| | Marking Plate | all RU relays | Replacement Marking Plates | RU9Z-P* (*Specify color code. A=orange, G=green, W=white, Y=yellow) | |

RY Series - Miniature Relays



- Small, industrial GP signaling relay
- DPDT 3A, 4PDT 5A contacts
- Options: Indicator LED, check-button and surge-suppression diode
- Plug-in/solder and PCB terminals
- RoHS compliant



RY 2 S - U L AC24V

Contact Configuration
2=DPDT
4=4PDT

Terminal Type
S=Blade (.110")
V=PCB

Options
L=Indicator light
C=Check button
T=Top bracket*
D=Diode**

Coil Voltage
AC 6V DC 6V
AC 12V DC 12V
AC 24V DC 24V
AC 120V DC 48V
AC 240V DC 110V

* Diode, Indicator light, and check button not available
** Diode for DC coils only
1. For RY4 use AC110-120V
2. For RY4 use AC220-240V
3. For RY4 use DC100 - 110V

| | | RY2 | RY4 |
|-------|---------------------------------|--------------------------|----------------|
| Specs | Contact Material | Silver (Ag), gold-plated | |
| | Contact Rating | 3A | 5A |
| | Minimum Load (reference values) | 10mA@5V DC, 5mA@24V DC | |
| | Dimensions (w x d x h) mm | 14.2x27.5x41.5 | 21.2x27.5x41.5 |

| | | Standard DIN Rail Mount | Finger-safe DIN Rail Mount | Through Panel Mount | PCB Mount |
|---------|--------|-------------------------|----------------------------|---------------------|--------------------|
| Sockets | Relays | | | | |
| | RY2S | SY2S-05 | SY2S-05C | SY2S-51 | SY2S-61 |
| | RY4S | SY4S-05 | SY4S-05C | SY4S-51 | SY4S-61 SY4S-62 |

| | | Relays / Sockets | Description | For DIN Mount Socket | For Through Panel & PCB Mount Socket |
|-------------|---------------------------|-----------------------|------------------------------------|----------------------|--------------------------------------|
| Accessories | Hold Down Springs & Clips | RY2S | Pullover Wire Spring | SY4S-02F1 | SY4S-51F1 |
| | | RY4S | | SY4S-51F1 | |
| | | RY2S/RY4S | Leaf Spring (side latch)* | SFA-202 | SFA-302 |
| | | RY2S/RY4S | Leaf Spring (top latch)* | SFA-101 | SFA-301 |
| | DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 | - |
| | | | DIN Rail End Stop | BNL5 | - |

*not applicable for pcb mount sockets

RF1V Series - Force-Guided Relays



- Compact and EN compliant force-guided relays
- Force-guided contact mechanism (EN50205 Type A TÜV approved)
- Contact configuration:
4-pole (2NO-2NC, 3NO-1NC)
6-pole (4NO-2NC, 5NO-1NC, 3NO-3NC)
- Built-in LED indicator available
- RoHS Compliant



RF1V - 2A2B L - D48

Contact Configuration
 2A2B=4-pole, 2NO-2NC
 3A1B=4-pole, 3NO-1NC
 4A2B=6-pole, 4NO-2NC
 5A1B= 6-pole, 5NO-1NC
 3A3B= 6-pole, 3NO-3NC

LED Indicator
 Blank=no indicator
 L=LED indicator

Coil Voltage
 D12=12V DC
 D24=24V DC
 D48=48V DC

| | | 4-Pole | 6-Pole |
|-------|---------------------------------|---------------------------------|------------|
| Specs | Contact Material | AgSnO ₂ (Au flashed) | |
| | Contact Rating | 6A@250V AC, 6A@30V DC | |
| | Minimum Load (reference values) | 5V DC 1mA | |
| | Dimensions (w x d x h) mm | 13x40x27.5 | 13x50x27.5 |

| | | Relays | Finger-safe DIN Rail/Panel Mount | PCB Mount |
|---------|---------------|------------|----------------------------------|-----------|
| Sockets | RF1V (4 pole) | SF1V-4-07L | SF1V-4-61 | |
| | RF1V (6 pole) | SF1V-6-07L | SF1V-6-61 | |

| | | Relays / Sockets | Description | For DIN Mount Socket |
|-------------|----------|-----------------------|------------------------------------|----------------------|
| Accessories | DIN Rail | all DIN mount sockets | Aluminum DIN Rail (1 meter length) | BNDN1000 |
| | | | DIN Rail End Stop | BNL5 |

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Relay & Socket Cross Reference Guide

| Allen-Bradley | | IDEC |
|---------------|--------------|------|
| 700-HA32 | RR2P | |
| 700-HA33 | RR3PA | |
| 700-HAB2 | RR2P | |
| 700-HAB3 | RR3PA | |
| 700-HAX2 | RR2P | |
| 700-HAX3 | RR3PA | |
| 700-HB32 | RR2BA | |
| 700-HB33 | RR3B | |
| 700-HC14 | RU4S | |
| 700-HC24 | RU4S | |
| 700-HC54 | RU42S | |
| 700-HD32 | RR2BA-US | |
| 700-HD33 | RR3B-US | |
| 700-HF32 | RH2B | |
| 700-HF33 | RH3B | |
| 700-HF34 | RH4B | |
| 700-HK32_ | RJ2S-C | |
| 700-HK32_-4L | RJ2S-CL | |
| 700-HK36 | RJ1S-C | |
| 700-HK36_-4L | RJ1S-CL | |
| 700-HLT12Z48 | RV8H-L-D48 | |
| 700-HLT12Z48X | RV8H-L-D48 | |
| 700-HLT1U1 | RV8H-L-AD110 | |
| 700-HLT1U12 | RV8H-L-AD12 | |
| 700-HLT1U12X | RV8H-L-AD12 | |
| 700-HLT1U1X | RV8H-L-AD110 | |
| 700-HLT1U2 | RV8H-L-AD220 | |
| 700-HLT1U24 | RV8H-L-AD24 | |
| 700-HLT1U24X | RV8H-L-AD24 | |
| 700-HLT1U2X | RV8H-L-AD220 | |
| 700-HLT1U48 | RV8H-L-AD48 | |
| 700-HLT1U48X | RV8H-L-AD48 | |
| 700-HLT1Z12 | RV8H-L-D12 | |
| 700-HLT1Z12X | RV8H-L-D12 | |
| 700-HLT1Z24 | RV8H-L-D24 | |
| 700-HLT1Z24X | RV8H-L-D24 | |
| 700-HLT2Z48 | RV8H-S-D48 | |
| 700-HLT2U1 | RV8H-S-AD110 | |
| 700-HLT2U12 | RV8H-S-AD12 | |

Relays

| | | |
|-----------------|-------------------------|--------------|
| Relays con't | 700-HLT2U2 | RV8H-S-AD220 |
| | 700-HLT2U24 | RV8H-S-AD24 |
| | 700-HLT2U48 | RV8H-S-AD48 |
| | 700-HLT2Z12 | RV8H-S-D12 |
| | 700-HLT2Z24 | RV8H-S-D24 |
| | 700-HPX2 | RQ2V-CN |
| | 700-TBR12 | RV1H-G-D12 |
| | 700-TBR24 | RV1H-G-D24 |
| | 700-TBR48 | RV1H-G-D48 |
| | 700-TBR60 | RV1H-G-D60 |
| Sockets | 700-HN116 | SH2B-05 |
| | 700-HN121 | SJ1S-05B |
| | 700-HN122 | SJ2S-05B |
| | 700-HN123 | SQ2V-07B |
| | 700-HN125 | SR2P-06 |
| | 700-HN126 | SR3P-06 |
| | 700-HN128 | SY4S-05 |
| | 700-HN138 | SH3B-05 |
| | 700-HN139 | SH4B-05 |
| | 700-HN154 | SR3B-05 |
| ABB | 700-HN177 | SV9Z-SAW |
| | 700-TBJ20* | SV9Z-J20* |
| | 1492-MC6X10 | SV9Z-PW16 |
| | | |
| Relays | D 2,5/5-MP-24VDC | RV1H-G-D24 |
| | D 2,5/5-MP-48VDC | RV1H-G-D48 |
| | D 2,5/5-R121AL-24VAC/DC | RV8H-L-AD24 |
| | D 2,5/5-R121AL-48VAC/DC | RV8H-L-AD48 |
| | D 2,5/5-R121BL-110VAC | RV8H-L-AD110 |
| | D 2,5/5-R121BL-230VAC | RV8H-L-AD220 |
| Socket | D 2,5/5-R121L-24VDC | RV8H-L-D24 |
| | RC55 | SV9Z-PW16 |

| Cutler-Hammer | | IDEC |
|----------------------|------------------|--------------|
| Relays | D2PR2 | RU2S |
| | D2PR4 | RU4S |
| | D3PR2 | RR2P |
| | D3PR3 | RR3PA |
| | D3PR5 | RR2KP |
| | D5PR2 | RR2P |
| | D5PR3 | RR2P |
| | D7PR2 | RH2B |
| | D7PR3 | RH3B |
| | D7PR4 | RH4B |
| | XRR1D12 | RV1H-G-D12 |
| | XRR1D24 | RV1H-G-D24 |
| | XRU1D12 | RV8H-L-D12 |
| | XRU1D120U | RV8H-L-AD110 |
| | XRU1D24 | RV8H-L-D24 |
| XRU1D24U | RV8H-L-AD24 | |
| Sockets | D2PA4 | SY4S-05 |
| | D2PA6 | SY4S-05 |
| | D5PA2 | SR3B-05 |
| | D3PA2 | SR2P-05 |
| | D3PA3-A2 | SR3P-06 |
| | D3PA4 | SR2P-51 |
| | D3PA2 | SR2P-05 |
| | D7PA2 | SH2B-05 |
| | D7PA5 | SH2B-51 |
| D7PA3 | SH3B-05 | |
| D7PA4 | SH4B-05 | |
| Cyberdyn | | IDEC |
| Relay | HJQ-22F | RU4S/RV4S |
| Socket | PYF14A-A | SY4S-05 |
| Finder | | IDEC |
| Relays | 34.51.7.005.0010 | RV1H-G-D6 |
| | 34.51.7.012.0010 | RV1H-G-D12 |
| | 34.51.7.024.0010 | RV1H-G-D24 |
| | 34.51.7.048.0010 | RV1H-G-D48 |
| | 34.51.7.060.0010 | RV1H-G-D60 |
| | 38.51.0.012.5060 | RV8H-L-AD18 |
| | 38.51.0.024.5060 | RV8H-L-AD24 |
| | 38.51.0.048.5060 | RV8H-L-AD48 |

| | | |
|------------------|------------------|--------------|
| Relays con't | 38.51.0.060.5060 | RV8H-L-AD60 |
| | 38.51.0.125.5060 | RV8H-L-AD110 |
| | 38.51.0.240.5060 | RV8H-L-AD220 |
| | 38.51.7.006.5050 | RV8H-L-D6 |
| | 38.51.7.012.5050 | RV8H-L-D12 |
| | 38.51.7.024.5050 | RV8H-L-D24 |
| | 38.51.7.048.5050 | RV8H-L-D48 |
| | 38.61.0.012.5060 | RV8H-S-AD18 |
| | 38.61.0.024.5060 | RV8H-S-AD24 |
| | 38.61.0.048.5060 | RV8H-S-AD48 |
| | 38.61.0.060.5060 | RV8H-S-AD60 |
| | 38.61.0.125.5060 | RV8H-S-AD110 |
| | 38.61.0.240.5060 | RV8H-S-AD220 |
| | 38.61.7.006.5050 | RV8H-S-D6 |
| | 38.61.7.012.5050 | RV8H-S-D12 |
| 38.61.7.024.5050 | RV8H-S-D24 | |
| 38.61.7.048.5050 | RV8H-S-D48 | |
| Sockets | 41.31./40.31. | RQ1V-CM |
| | 41.52./40.52. | RQ2V-CN |
| | 41.61./40.61. | RQ1V-CH |
| | 46.61._0 | RJ1S-C |
| | 93.01 | SV9Z-PW16 |
| | 93.2 | SV9Z-J20* |
| | 93.64 | SV9Z-SAW |
| | 93.01.0.024 | SV1H-07L-1 |
| | 93.01.0.060 | SV1H-07L-2 |
| | 93.01.0.125 | SV1H-07L-3 |
| | 93.01.0.240 | SV1H-07L-4 |
| | 93.51.0.024 | SV1H-07LS-1 |
| | 93.51.0.060 | SV1H-07LS-2 |
| | 93.51.0.125 | SV1H-07LS-3 |
| | 93.51.0.240 | SV1H-07LS-4 |
| 95.03/95.83.3 | SQ1V-07B | |
| 95.05/95.85.3 | SQ2V-07B | |

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| Omron | | IDEC |
|--------------|--------------------|--------------|
| | G2R-1 | RQ1V-CM |
| | G2R-1-E | RQ1V-CH |
| | G2R-1-S | RJ1S-C |
| | G2R-1-SN | RJ1S-CL |
| | G2R-2 | RQ2V-CN |
| | G2R-2-S | RJ2S-C |
| | G2R-2-SN | RJ2S-CL |
| | G2RL-1 | RQ1V-CM |
| | G2RL-1-E | RQ1V-CH |
| | G2RL-2 | RQ2V-CN |
| | G2RV-1-S DC11 | RV1H-G-D12 |
| | G2RV-1-S DC21 | RV1H-G-D24 |
| | G2RV-1-S DC48 | RV1H-G-D48 |
| | G2RV-SL500-AC/DC24 | RV8H-S-AD24 |
| | G2RV-SL500-AC/DC48 | RV8H-S-AD48 |
| | G2RV-SL500-AC110 | RV8H-S-AD110 |
| | G2RV-SL500-AC230 | RV8H-S-AD220 |
| | G2RV-SL500-DC12V | RV8H-S-D12 |
| | G2RV-SL500-DC24V | RV8H-S-D24 |
| Relays | G2RV-SL700-AC/DC24 | RV8H-L-AD24 |
| | G2RV-SL700-AC/DC48 | RV8H-L-AD48 |
| | G2RV-SL700-AC110 | RV8H-L-AD110 |
| | G2RV-SL700-AC230 | RV8H-L-AD220 |
| | G2RV-SL700-DC12V | RV8H-L-D12 |
| | G2RV-SL700-DC24V | RV8H-L-D24 |
| | G7SA-2A2B | RF1V-2A2B |
| | G7SA-3A1B | RF1V-3A1B |
| | G7SA-3A3B | RF1V-3A3B |
| | G7SA-4A2B | RF1V-4A2B |
| | G7SA-5A1B | RF1V-5A1B |
| | LY2 | RH2 |
| | LY3 | RH3 |
| | LY4 | RH4 |
| | MJN1 | RR1BA |
| | MJN2 | RR2BA |
| | MJN3 | RR3B |
| | MK2P | RR2P |
| | MK3P | RR3PA |
| | MRL | RR2KP |

| | | |
|------------------------------------|-------------|-------------|
| Relays con't | MY2 | RU2 |
| | MY4 | RU4/RY4 |
| Sockets | P2RF-05 | SJ1S-05B |
| | P2RF-05-E | SJ1S-07L |
| | P2RF-08 | SJ2S-05B |
| | P2RF-08-E | SJ2S-07L |
| | P2RV-S | SV9Z-SAW |
| | P2RVM-200* | SV9Z-J20* |
| | P7SA-10F | SF1V-4-07L |
| | P7SA-10P | SF1V-4-61 |
| | P7SA-14F | SF1V-6-07L |
| | P7SA-14P | SF1V-6-61 |
| | PF083A-E | SR2P-06 |
| | PF113A-E | SR3P-05 |
| | PTF08A-E | SH2B-05 |
| | PTF11A | SH3B-05 |
| | PTF11PC | SR3B-05 |
| PTF14A-E | SH4B-05 | |
| PYF08A-E | SM2S-05 | |
| PYF14A-E | SY4S-05 | |
| R99-15 for G2RV | SV9Z-PW16 | |
| Panasonic/Aromat/Matsushita | | IDEC |
| Relays | AHN1 | RJ1S-CL |
| | AHN2 | RJ2S-CL |
| | SFS2 | RF1V-2A2B |
| | SFS2-L | RF1V-2A2BL |
| | SFS2--D | RF1V-2A2BD |
| | SFS2-L--D | RF1V-2A2BLD |
| | SFS3 | RF1V-3A1B |
| | SFS3-L | RF1V-3A1BL |
| | SFS3--D | RF1V-3A1BD |
| | SFS3-L--D | RF1V-3A1BLD |
| | SFS4 | RF1V-4A2B |
| | SF4S-L | RF1V-4A2BL |
| | SF4S--D | RF1V-4A2BD |
| | SF4S-L--D | RF1V-4A2BLD |
| | SF5S | RF1V-5A1B |
| SF5S-L | RF1V-5A1BL | |
| SF5S--D | RF1V-5A1BD | |
| SF5S-L--D | RF1V-5A1BLD | |

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|------------------------|-----------------------|-------------------|
| Relays con't | SFS6 | RF1V-3A3B |
| | SFS6-L | RF1V-3A3BL |
| | SFS6--D | RF1V-3A3BD |
| | SFS6-L--D | RF1V-3A3BLD |
| Sockets | AHNA11 | SJ1S-05B |
| | AHNA21 | SJ2S-05B |
| Phoenix Contact | | IDEC |
| Relays | PCL-RSP-12DC/21 | RV8H-S-D12 |
| | PLC-RSC-120UC/21 | RV8H-L-AD110 |
| | PLC-RSC-120UC/21AU | RV8H-L-AD110 |
| | PLC-RSC-12DC/21 | RV8H-L-D12 |
| | PLC-RSC-12DC/21AU | RV8H-L-D12 |
| | PLC-RSC-230UC/21 | RV8H-L-AD220 |
| | PLC-RSC-230UC/21AU | RV8H-L-AD220 |
| | PLC-RSC-24DC/21 | RV8H-L-D24 |
| | PLC-RSC-24DC/21AU | RV8H-L-D24 |
| | PLC-RSC-24UC/21 | RV8H-L-AD24 |
| | PLC-RSC-24UC/21AU | RV8H-L-AD24 |
| | PLC-RSC-48DC/21 | RV8H-L-D48 |
| | PLC-RSC-48DC/21AU | RV8H-L-D48 |
| | PLC-RSC-12DC/21 C1D2 | RV8H-L-D12-C1D2 |
| | PLC-RSC-24DC/21 C1D2 | RV8H-L-D24-C1D2 |
| | PLC-RSC-120UC/21 C1D2 | RV8H-L-AD110-C1D2 |
| | PLC-RSC-230UC/21 C1D2 | RV8H-L-AD220-C1D2 |
| | PLC-RSP-120UC/21 | RV8H-S-AD110 |
| | PLC-RSP-230UC/21 | RV8H-S-AD220 |
| | PLC-RSP-24DC/21 | RV8H-S-D24 |
| | PLC-RSP-24UC/21 | RV8H-S-AD24 |
| | PLC-RSP-48DC/21 | RV8H-S-D48 |
| | PLC-RSP-24DC/21 C1D2 | RV8H-S-D24-C1D2 |
| | PLC-RSP-120UC/21 C1D2 | RV8H-S-AD110-C1D2 |
| | REL-MR- 12DC/21 | RV1H-G-D12 |
| | REL-MR- 12DC/21AU | RV1H-G-D12 |
| | REL-MR- 24DC/21 | RV1H-G-D24 |
| | REL-MR- 24DC/21AU | RV1H-G-D24 |
| | REL-MR- 48DC/21 | RV1H-G-D48 |
| | REL-MR- 48DC/21AU | RV1H-G-D48 |
| | REL-MR- 60DC/21 | RV1H-G-D60 |
| | REL-MR- 60DC/21AU | RV1H-G-D60 |

| Relco (Turck) | | IDEC | |
|----------------------|-----------------------|--------------------|--------------|
| Relays | C2-A20 | RR2P | |
| | C3-A20 | RR3PA | |
| | C4-A40 | RU4S | |
| | C5-A20 | RR2BA | |
| | C5-A30 | RR3B | |
| | C7-A20 | RH2B | |
| | C9-A41 | RU42S | |
| | C10-A10 | RJ1S-CL | |
| | Sockets | S2-B | SR2P-06 |
| | | S2-S | SR2P-05C |
| S2-L | | SR2P-51 | |
| S3-B | | SR3P-06 | |
| S3-S | | SR3P-05C | |
| S3-L | | SR3P-51 | |
| S4-B | | SY4S-05C | |
| S5-S | | SR3B-05 | |
| S5-L | | SR3B-51 | |
| S7-M | | SH2B-05C | |
| S7-16 | | SH2B-05C | |
| S7-L | | SH2B-51 | |
| S7-P | | SH2B-62 | |
| S9-M | | SY4S-05C | |
| S9-L | | SY4S-51 | |
| S9-P | | SY4S-62 | |
| S-10 | | SJ1S-07L | |
| Relpol | | IDEC | |
| Relays | | PIR6W-1P-115VAC/DC | RV8H-L-AD110 |
| | PIR6W-1P-115VAC/DC-01 | RV8H-L-AD110 | |
| | PIR6W-1P-12VDC | RV8H-L-D12 | |
| | PIR6W-1P-12VDC-01 | RV8H-L-D12 | |
| | PIR6W-1P-230VAC/DC | RV8H-L-AD220 | |
| | PIR6W-1P-230VAC/DC-01 | RV8H-L-AD220 | |
| | PIR6W-1P-24VAC/DC | RV8H-L-AD24 | |
| | PIR6W-1P-24VAC/DC-01 | RV8H-L-AD24 | |
| | PIR6W-1P-24VDC | RV8H-L-D24 | |
| | PIR6W-1P-24VDC-01 | RV8H-L-D24 | |
| | RM699V-3011-85-1012 | RV1H-G-D12 | |
| | RM699V-3011-85-1024 | RV1H-G-D24 | |
| | RM699V-3011-85-1060 | RV1H-G-D60 | |

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|---|--------------------|--------------|
| Sockets | PIR6W-1P-115VAC/DC | SV1H-07L-3 |
| | PIR6W-1P-230VAC/DC | SV1H-07L-4 |
| | PIR6W-1P-24VAC/DC | SV1H-07L-1 |
| | ZG20-1* | SV9Z-J20* |
| Schneider Electric, Magnecraft Brand | | IDEC |
| | 750XBX | RR2P |
| | 750XCX | RR3PA |
| | 78(1)XAX | RH1B |
| | 782XBX | RH2B |
| | 782XBX1 | RU2S |
| | 782XBX2 | RU2S |
| | 782XDX1 | RU4S |
| | 782XDX2 | RU4S |
| | 782XDX3 | RU42S |
| | 783XCX | RH3B |
| | 784XDX | RH4B |
| | 788XBX | RR2BA |
| | 788XCX | RR3B |
| | 78XCX | RH3B |
| | 78XDX | RH4B |
| Relays | A283XAX | RR1BA |
| | A283XBX | RR2BA |
| | A283XCX | RR3B |
| | A314XBX | RR2P |
| | A314XCX | RR3PA |
| | RSL 1AB4BD | RV1H-G-D24 |
| | RSL 1AB4ED | RV1H-G-D48 |
| | RSL 1AB4JD | RV1H-G-D12 |
| | RSL 1AB4ND | RV1H-G-D60 |
| | RSL 1PRBU | RV8H-S-AD24 |
| | RSL 1PREU | RV8H-S-AD48 |
| | RSL 1PRFU | RV8H-S-AD110 |
| | RSL 1PRJU | RV8H-S-AD12 |
| | RSL 1PRPU | RV8H-S-AD220 |
| | RSL 1PVBU | RV8H-L-AD24 |
| | RSL 1PVEU | RV8H-L-AD48 |
| | RSL 1PVFU | RV8H-L-AD110 |
| | RSL 1PVJU | RV8H-L-AD12 |
| | RSL 1PVPU | RV8H-L-AD220 |
| | W250ACPX | RR2P |
| | W250CPX | RR3PA |

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|---------------------------------------|-------------|-------------|
| Relays con't | W388 | RR*B |
| | W78(A)CSX | RU4S |
| | W78(A)R | RH2B |
| | W78(A)T | RU42S |
| Sockets | 70-464-1 | SR2P-06 |
| | 70-465-1 | SR3P-06 |
| | 70-459-1 | SH2B-05 |
| | 70-461-1 | SY4S-05 |
| | 70-783D-1 | SH3B-05C |
| | 70-463-1 | SR3B-05 |
| | 70-124-1 | SR3B-51 |
| | 70-378-1 | SY4S-51 |
| | 70-401-1 | SH2B-51 |
| | 70-402-1 | SH2B-62 |
| | 70-379-1 | SY4S-61 |
| | 70-781D-1 | SH1B-05 |
| | 70-781F-1 | SH1B-51 |
| | 70-781T-1 | SH1B-62 |
| | 70-784D-1 | SH4B-05C |
| | 70-78D-1 | SH4B-05 |
| | RSL ZRA1 | SV1H-07LS-1 |
| | RSL ZRA2 | SV1H-07LS-2 |
| | RSL ZRA3 | SV1H-07LS-3 |
| | RSL ZRA4 | SV1H-07LS-4 |
| RSL ZVA1 | SV1H-07L-1 | |
| RSL ZVA2 | SV1H-07L-2 | |
| RSL ZVA3 | SV1H-07L-3 | |
| RSL ZVA4 | SV1H-07L-4 | |
| RSL Z2 | SV9Z-J20* | |
| Square D by Schneider Electric | | IDEC |
| Relays | 8501KF12 | RR2BA-US |
| | 8501KF13 | RR3B-US |
| | 8501KP12 | RR2P |
| | 8501KP13 | RR3PA |
| | 8501KU12 | RR2BA |
| | 8501KU13 | RR3B |
| | 8501RS(D)14 | RU4S/R44S |
| | 8501RS(D)24 | RU42S/R42S |
| | 8501RS(D)4 | RU4S/R44S |
| | 8501RS(D)41 | RH1B |

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| Relays con't | 8501RS(D)42 | RH2B |
| | 8501RS(D)43 | RH3B |
| | 8501RS(D)44 | RH4B |
| Sockets | 8501NR82 | SR3B-05 |
| | 8501NR52 | SR2P-05 |
| | 8501NR52F | SR2P-05C |
| | 8501NR62 | SR3P-05 |
| | 8501NR62F | SR3P-05C |
| | 8501NR61 | SR3P-06 |
| | 8501NR45 | SY4S-05 |
| | 8501NR45F | SY4S-05C |
| | 8501NR41 | SH1B-05 |
| | 8501NR42 | SH2B-05 |
| | 8501NR42F | SH2B-05C |
| | 8501NR43 | SH3B-05 |
| | 8501NR34 | SH4B-05 |
| TE Connectivity, Potter & Brumfield | | IDEC |
| Relays | K10 | RH2B |
| | KHAE-11 | RM2V |
| | KHAE-17 | RY4V |
| | KHAU-11 | RU2S |
| | KHAU-17 | RU4S |
| | KRP(A)-11 | RR2P |
| | KRP(A)-14 | RR3PA |
| | KUP-11 | RR2BA |
| | KUP-14 | RR3B |
| | KUP-5 | RR1BA |
| | KUP93-11 | RR3B |
| | RT114_F | RQ1V-CM |
| | RT424_F | RQ2V-CN |
| | RT314_F | RQ1V-CH |
| | Sockets | 8-1415035-1 |
| 6-1415035-1 | | SQ2V-07B |
| 27E895 | | SH2B-05 |
| 27E489 | | SH2B-62 |
| 27E024 | | SY4S-62 |
| 27E891 | | SR2P-06 |
| 27E892 | | SR2P-05 |
| 27E123 | | SR3P-06 |

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|---------------------------------|-------------------|--------------|
| Sockets con't | 27E893 | SR3B-05 |
| | 27E168 | SR3B-51 |
| TE Connectivity, Schrack | | IDEC |
| Relays | MT2 | RR2P |
| | MT3 | RR3PA |
| | PT2 | RU2S |
| | PT4 | RU4S |
| | RM2 | RR2BA |
| | RM3 | RR3B |
| | RT114 | RQ1V-CM |
| | RT314 | RQ1V-CH |
| | RT424 | RQ2V-CN |
| | ST3P2LC4 | RV8H-L-D24 |
| | ST3P3LB2 | RV8H-L-D12 |
| | ST3P3LC4 | RV8H-L-D24 |
| | ST3P3SM5 | RV8H-L-AD110 |
| | ST3P3TP0 | RV8H-L-AD220 |
| | ST4P3LB2 | RV8H-S-D12 |
| | ST4P3LC4 | RV8H-S-D24 |
| | ST4P3SM5 | RV8H-S-AD110 |
| | ST4P3TP0 | RV8H-S-AD220 |
| | V23092-S1012-A301 | RV1H-G-D12 |
| V23092-S1024-A301 | RV1H-G-D24 | |
| V23092-S1060-A301 | RV1H-G-D60 | |
| Sockets | 8-1415035-1 | SQ1V-07B |
| | 6-1415035-1 | SQ2V-07B |
| | MT78755 | SR2P-06 |
| | MT78750 | SR3P-06 |
| | PT78702 | SM2S-05 |
| | PT78704 | SY4S-05 |
| | 27E023/27E220 | SY4S-61 |
| | ST3FLC4 | SV1H-07L-1 |
| | ST3FSM5 | SV1H-07L-3 |
| | ST3FTP0 | SV1H-07L-4 |
| ST4FLC4 | SV1H-07LS-1 | |
| ST4FSM5 | SV1H-07LS-3 | |
| ST4FTP0 | SV1H-07LS-4 | |

| | Weidmuller | IDEC |
|---------|-----------------------|-------------------|
| Relays | MRS 12 VDC 1C0 | RV8H-L-D12 |
| | MRS 12VDC 1C0 C1D2 | RV8H-L-D12-C1D2 |
| | MRS 120 VUC 1C0 | RV8H-L-AD110 |
| | MRS 230 VUC 1C0 | RV8H-L-AD220 |
| | MRS 24 VDC 1C0 | RV8H-L-D24 |
| | MRS 24 VUC 1C0 | RV8H-L-AD24 |
| | MRS 24VDC 1C0 C1D2 | RV8H-L-D24-C1D2 |
| | MRS 24VUC 1C0 C1D2 | RV8H-L-AD24-C1D2 |
| | MRS 5 VDC 1C0 | RV8H-L-D6 |
| | MRZ 12 VDC 1C0 | RV8H-S-D12 |
| | MRZ 120 VUC 1C0 | RV8H-S-AD110 |
| | MRS 120 VUC 1C0 C1D2 | RV8H-L-AD110-C1D2 |
| | MRZ 230 VUC 1C0 | RV8H-S-AD220 |
| | MRS 230 VUC 1C0 C1D2 | RV8H-L-AD220-C1D2 |
| | MRZ 24 VDC 1C0 | RV8H-S-D24 |
| | MRZ 24 VUC 1C0 | RV8H-S-AD24 |
| | MRZ 5 VDC 1C0 | RV8H-S-D6 |
| | RSS112060 60Vdc-Rel1U | RV1H-G-D60 |
| | RSS113012 12Vdc-Rel1U | RV1H-G-D12 |
| | RSS113024 24Vdc-Rel1U | RV1H-G-D24 |
| Sockets | WS 12/6 | SV9Z-PW16 |
| | ZQV 4N / 20 * | SV9Z-J20* |

*Indicates additional digits required to complete part number.

Note: The cross references listed are the closest match physically and functionally. If you are looking to match a specific application requirement, please refer to our Industrial Automation Catalog. For an evaluation unit or technical support, contact IDEC or call your local sales representative.

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