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**Updated  
with New  
Models**



# ***IDEC Relay Selection Guide***



# 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

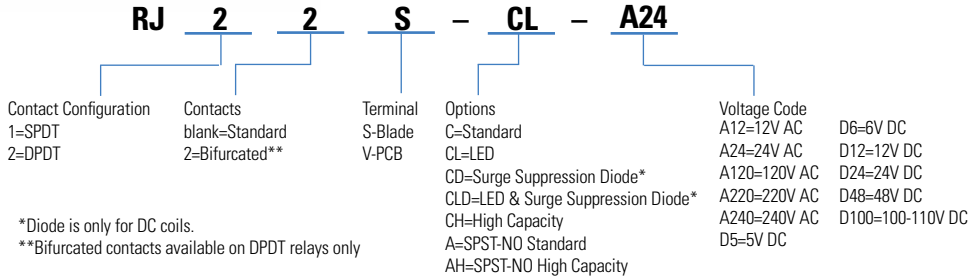
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# RJ Series - Slim Power Relays



- 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
<b>Specs</b> 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			

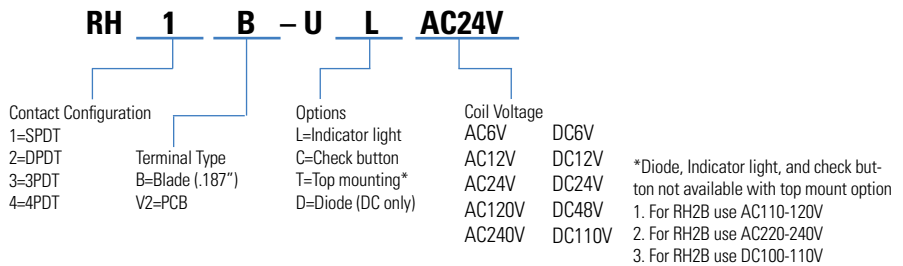
Relays		Standard DIN Rail Mount	Finger-safe DIN Rail Mount	PCB Mount
<b>Sockets</b>	<b>Blade Models</b>			
	RJ1S (Std)	SJ1S-05BW	SJ1S-07LW	SJ1S-61
	RJ2S (Std) RJ22S	SJ2S-05BW	SJ2S-07LW	SJ2S-61
	<b>PCB Models</b>			
RJ1V (Std)	–	SQ1V-07B	SQ1V-63	
RJ1V (HC) , RJ2V/RJ22V	–	SQ2V-07B	SQ2V-63	

Use With Socket		Description	Part Number	
<b>Accessories</b>	<b>Hold Down Springs</b>	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
		<b>DIN Rail</b>		
SJ1S-05BW, SJ2S-05BW SJ1S-07LW, SJ2S-07LW	Aluminum DIN Rail (1 meter length)	BNDN1000		
	DIN Rail End Stop	BNL5		
<b>Jumpers</b>	all DIN mount sockets	2 Poles	SJ9Z-JF2	
		5 Poles	SJ9Z-JF5	
		8 Poles	SJ9Z-JF8	
		10 Poles	SJ9Z-JF10	
<b>Marking Plate</b>	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	-	

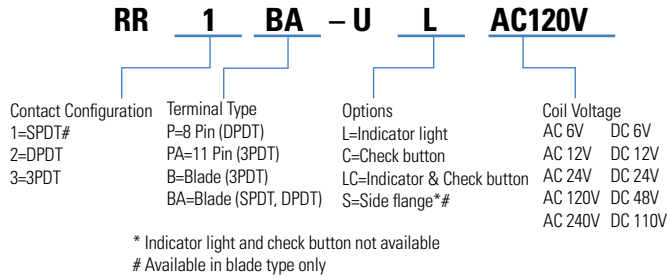
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# RR Series - Power Relays



- 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
<b>Specs</b>	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		

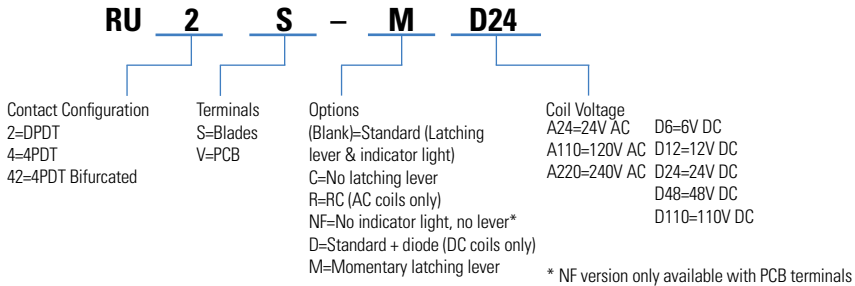
		Relays	Standard DIN Rail Mount	Finger-safe DIN Rail Mount	Through Panel Mount
<b>Sockets</b>	RR2P		SR2P-05, SR2P-06	SR2P-05C	SR2P-51
	RR3PA		SR3P-05, SR3P-06	SR3P-05C	SR3P-51
	RR1BA				
	RR2BA				
	RR3B		SR3B-05	-	SR3B-51

		Relays / Sockets	Description	For DIN Mount Socket	For Through Panel Mount Socket
<b>Accessories</b>	<b>Hold Down Springs &amp; Clips</b>	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	-
	<b>DIN Rail</b>	all DIN mount sockets	Aluminum DIN Rail (1 meter length) DIN Rail End Stop	BNDN1000 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		

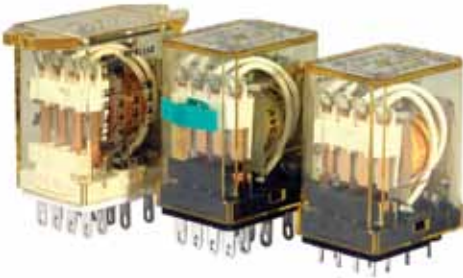
Relays		Spring Clamp DIN Rail Mount	Standard DIN Rail Mount	Finger-safe DIN Rail Mount	Panel Mount	PCB Mount
Sockets	RU2S (DPDT)	SU2S-11L	SM2S-05	SM2S-05C	SY4S-51	SM2S-61 SM2S-62
	RU4S (4PDT) RU42S (4PDT)	SU4S-11L	SY4S-05	SY4S-05C		SY4S-61 SY4S-62

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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 <sub>2</sub> (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

		Finger-safe DIN Rail/Panel Mount	PCB Mount
Sockets	Relays		
	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
<b>ABB</b>	<b>IDEC</b>	
	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

<b>Cutler-Hammer</b>		<b>IDEC</b>
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	
<b>Cyberdyn</b>		<b>IDEC</b>
Relay	HJQ-22F	RU4S/RV4S
Socket	PYF14A-A	SY4S-05
<b>Finder</b>		<b>IDEC</b>
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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<b>Omron</b>		<b>IDEC</b>
	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	
<b>Panasonic/Aromat/Matsushita</b>		<b>IDEC</b>
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
<b>Phoenix Contact</b>		<b>IDEC</b>
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

<b>Relco (Turck)</b>		<b>IDEC</b>	
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	
<b>Relpol</b>		<b>IDEC</b>	
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*
<b>Schneider Electric, Magnecraft Brand</b>		<b>IDEC</b>
	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*	
<b>Square D by Schneider Electric</b>		<b>IDEC</b>
Relays	8501KF12	RR2BA-US
	8501KF13	RR3B-US
	8501KP12	RR2P
	8501KP13	RR3PA
	8501KU12	RR2BA
	8501KU13	RR3B
	8501RS(D)14	RU4S/RY4S
	8501RS(D)24	RU42S/RY42S
	8501RS(D)4	RU4S/RY4S
	8501RS(D)41	RH1B

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
<b>TE Connectivity, Potter &amp; Brumfield</b>		<b>IDEC</b>
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
<b>TE Connectivity, Schrack</b>		<b>IDEC</b>
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	

	<b>Weidmuller</b>	<b>IDEC</b>
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.

**800.262.4332**

[www.IDEC.com/relays](http://www.IDEC.com/relays)

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

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- Refrigeration & Freezer Lighting
- Flat Panel Inspection Lighting
- Hazardous Location Lighting

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- Door Interlock Switches
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with New  
Models**



# ***IDEC Relay Selection Guide***

# 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

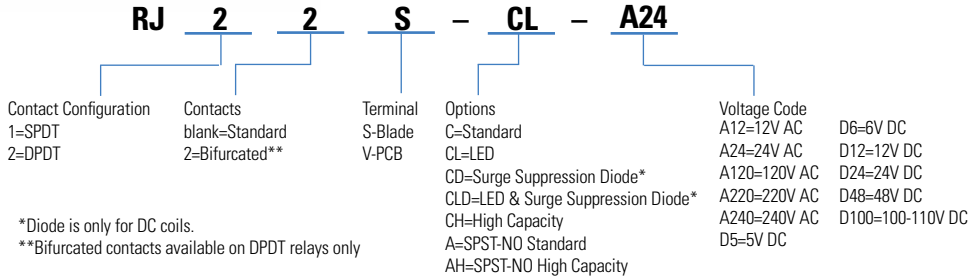
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www.IDEC.com/relays

# 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
<b>Specs</b> 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			

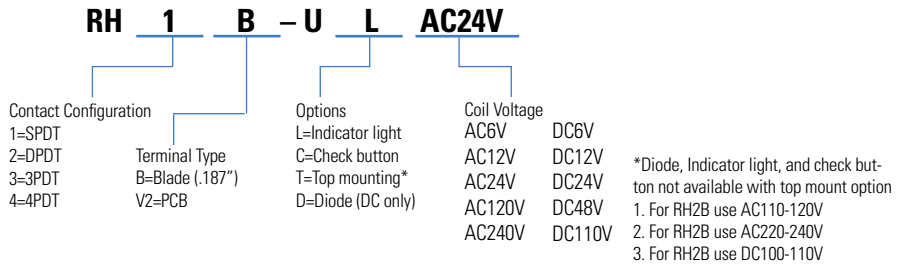
Relays		Standard DIN Rail Mount	Finger-safe DIN Rail Mount	PCB Mount
<b>Sockets</b>	<b>Blade Models</b>			
	RJ1S (Std)	SJ1S-05BW	SJ1S-07LW	SJ1S-61
	RJ2S (Std) RJ22S	SJ2S-05BW	SJ2S-07LW	SJ2S-61
	<b>PCB Models</b>			
RJ1V (Std)	–	SQ1V-07B	SQ1V-63	
RJ1V (HC) , RJ2V/RJ22V	–	SQ2V-07B	SQ2V-63	

		Use With Socket	Description	Part Number
<b>Accessories</b>	<b>Hold Down Springs</b>	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
	<b>DIN Rail</b>	SJ1S-05BW, SJ2S-05BW SJ1S-07LW, SJ2S-07LW	Aluminum DIN Rail (1 meter length)	BNDN1000
			DIN Rail End Stop	BNL5
	<b>Jumpers</b>	all DIN mount sockets	2 Poles	SJ9Z-JF2
			5 Poles	SJ9Z-JF5
			8 Poles	SJ9Z-JF8
			10 Poles	SJ9Z-JF10
<b>Marking Plate</b>	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	-	

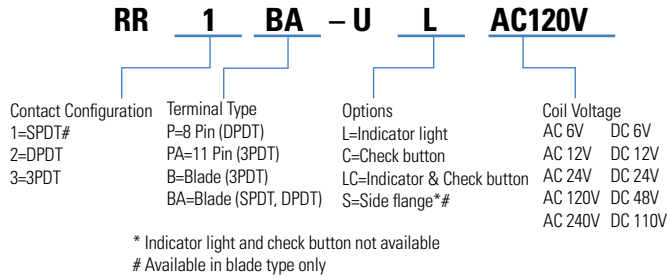
800.262.4332

www.IDEC.com/relays

# 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		

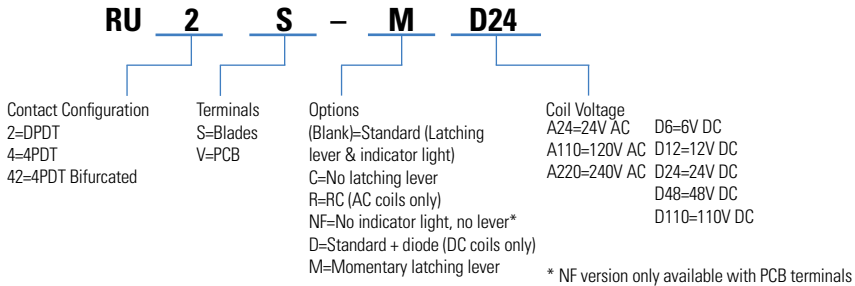
Relays		Standard DIN Rail Mount	Finger-safe DIN Rail Mount	Through Panel Mount
Sockets	RR2P	SR2P-05, SR2P-06	SR2P-05C	SR2P-51
	RR3PA	SR3P-05, SR3P-06	SR3P-05C	SR3P-51
	RR1BA	SR3B-05	-	SR3B-51
	RR2BA			
	RR3B			

Relays / Sockets		Description	For DIN Mount Socket	For Through Panel Mount Socket
Accessories	Hold Down Springs & Clips	RR2P	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		

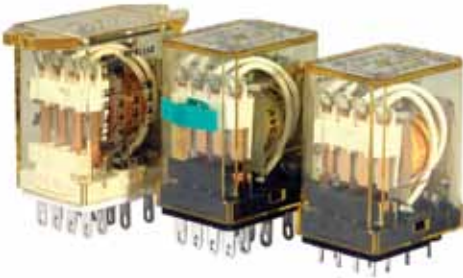
Relays		Spring Clamp DIN Rail Mount	Standard DIN Rail Mount	Finger-safe DIN Rail Mount	Panel Mount	PCB Mount
Sockets	RU2S (DPDT)	SU2S-11L	SM2S-05	SM2S-05C	SY4S-51	SM2S-61 SM2S-62
	RU4S (4PDT) RU42S (4PDT)	SU4S-11L	SY4S-05	SY4S-05C		SY4S-61 SY4S-62

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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 <sub>2</sub> (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
<b>ABB</b>	<b>IDEC</b>	
	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

<b>Cutler-Hammer</b>		<b>IDEC</b>
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	
<b>Cyberdyn</b>		<b>IDEC</b>
Relay	HJQ-22F	RU4S/RV4S
Socket	PYF14A-A	SY4S-05
<b>Finder</b>		<b>IDEC</b>
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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<b>Omron</b>		<b>IDEC</b>
	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
	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
Sockets	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
<b>Panasonic/Aromat/Matsushita</b>		<b>IDEC</b>
	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
Relays	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
<b>Phoenix Contact</b>		<b>IDEC</b>
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

<b>Relco (Turck)</b>		<b>IDEC</b>	
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	
<b>Relpol</b>		<b>IDEC</b>	
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*
<b>Schneider Electric, Magnecraft Brand</b>		<b>IDEC</b>
	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*	
<b>Square D by Schneider Electric</b>		<b>IDEC</b>
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

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
<b>TE Connectivity, Potter &amp; Brumfield</b>		<b>IDEC</b>
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
<b>TE Connectivity, Schrack</b>		<b>IDEC</b>
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	

	<b>Weidmuller</b>	<b>IDEC</b>
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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