# **RELAYS & CONTACTORS**

# **IDEC GENERAL-PURPOSE RELAYS**

RH. RR. RJ SERIES

### **DESCRIPTION**

IDEC General-Purpose Relays are available in the RH Series Blade Style Relays, RR Series Pin Style Relays, and RJ Series Compact Relays. The RH Series features a 10A switching capacity. They are available in SPDT, DPDT, 3PDT, and 4PDT contact configurations, driven by AC or DC coils, and they have blade terminals for socket-mounting.

The RR Series has a 10A contact rating. The RR Series relays are available in SPDT, DPDT, and 3PDT configurations driven by AC or DC coils, and they have pin or blade terminals for socket-mounting. The RJ Series is compact to reduce space requirements. They are available in a 12A SPDT version and an 8A DPDT version. They are driven by AC or DC coils and have blade terminals for socket mounting.



### **FEATURES**

· Blade-style, pin-style, and compact models

- · Indicator light and/or check button available
- · Surface or DIN rail mount
- · UL recognized, CSA certified

## **SPECIFICATIONS**

#### **COIL RATINGS**

RH SERIES													
RATED VOLTAGE		R	ATED	CURF	RENT	(mA) ±15% @ 20°C				INRUSH CURRENT			
		60 Hz				50 Hz				(mA)			
VOLI	AGL	SPDT	DPDT	3PDT	4PDT	SPDT	DPDT	3PDT	4PDT	SPDT	DPDT	3PDT	4PDT
	12	75	100	140	165	86	118	165	196	120	170	260	310
	24	37	50	70	83	42	59.7	81	98	56	85	130	165
AC	120	7.5	11	14.2	16.5	8.6	12.9	16.4	19.5	12	16	26	33
	240	3.2	5.5	7.1	8.3	3.7	6.5	8.2	9.8	7	8	12	16
		SPDT DPD		DT	3PDT		4P	DT	SPDT	DPDT	3PDT	4PDT	
DC	12	64		75		120		125		-	-	-	-
	24	32		36.9		60		62		-	-	-	-

RR	RR Series						
	ated	Rated Current	INRUSH CURRENT				
Vol	ltage	60 Hz	(mA)				
	12	210	245	365			
	24	105	121	182			
AC	120	20.5	24	35			
	240	10.5	12.1	18			
	12		_				
DC	24		60	_			

RJ Series						
Coil Sensitivity	Nominal Voltage	Nominal Current	Coil Resistance			
DC Coil	24V	25.7 mA	1080Ω			
AC Coil (60 Hz)	24V	41.1 mA	243Ω			
AC COII (00 112)	120V	8.1 mA	5270Ω			

### **CONTACT RATINGS**

RH SERIES (UL ratings)											
VOLTAGE		ESIST		,	INDUCTIVE (A) cos⊖= 0.3				MOTOR LOAD (hp)		
	SPDT	DPDT	3PDT	4PDT	SPDT	DPDT	3PDT	4PDT	SPDT	DPDT	3PDT
240 AC	10	10	-	7.5	7	7	*	5	1/3	1/3	1/3
120 AC	10	10	10	10	7.5		_	7.5	1/6	1/6	1/6
30 DC	10	10	10	_	7	7	_	_	_	_	_
28 DC	10	10	10	10	7.5	_	_	7.5	_	_	_
* Note: 6.5A, 20A Total											

RR SERIES (UL ratings)						
VOLTAGE	RESITIVE (A)	INDUCTIVE (A) cos⊕= 0.3	MOTOR LOAD (hp)			
240 AC	10	7	1/3			
120 AC	10	7.5	1/4			
30 DC	10	7	-			

	CONTACT	RJ1S	RJ2S
Resistive Load (Maximum)	N.O.	12A @ 250 VAC/30 VDC	8A @ 250 VAC/30 VDC
` ,	N.C.	12A @ 250 VAC; 6A @ 30 VDC	8A @ 250 VAC; 4A @ 30 VDC
Inductive Load	N.O.	7.5A @ 250 VAC; 6A @ 30 VDC	4A @ 250 VAC; 4A @ 30 VDC
(Maximum)	N.C.	7.5A @ 250 VAC; 3A @ 30 VDC	4A @ 250 VAC; 2A @ 30 VDC

voltage
110% of rated voltage
140% of rated voltage
80% of rated voltage,
70% for RJ DC coil
30% or more of rated voltage
10% or more of rated voltage
Silver cadmium oxide
Silver
Silver nickel alloy
50 mΩ maximum
30 mΩ maximum
50 mΩ maximum

Operate time	
RH, RR	25 ms maximum
RJ	15 ms maximum
Release time	
RH, RR	25 ms maximum
RJ	10 ms maximum
Min load	
RH	24 VDC/30 mA, 5 VDC/100 mA
RR	24 VDC/10 mA, 5 VDC/20 mA
RJ	5 VDC/100 mA
Operating temp	-22° to 158°F (-30° to 70°C)
Agency approvals	UL-recognized component,
	(RH, RR): File #E66043,
	(RJ): File #E55996
	CSA certified, File #LR35144;
	CE certified (not RR blade style)
Warranty	1 year

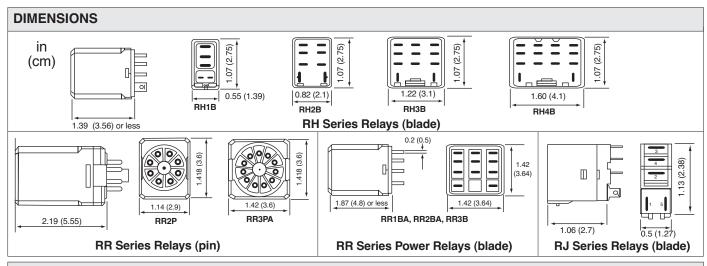
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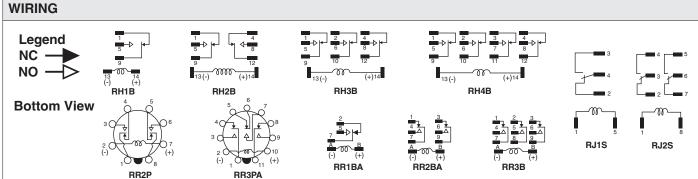
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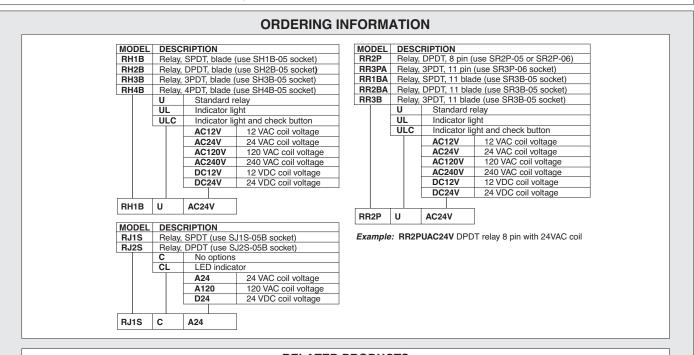
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RH, RR, RJ SERIES









RELATED PRODUCTS

SH, SR, SJ Series Relay sockets BA

BAM-1000 or DIN-3F

Mounting DIN rail