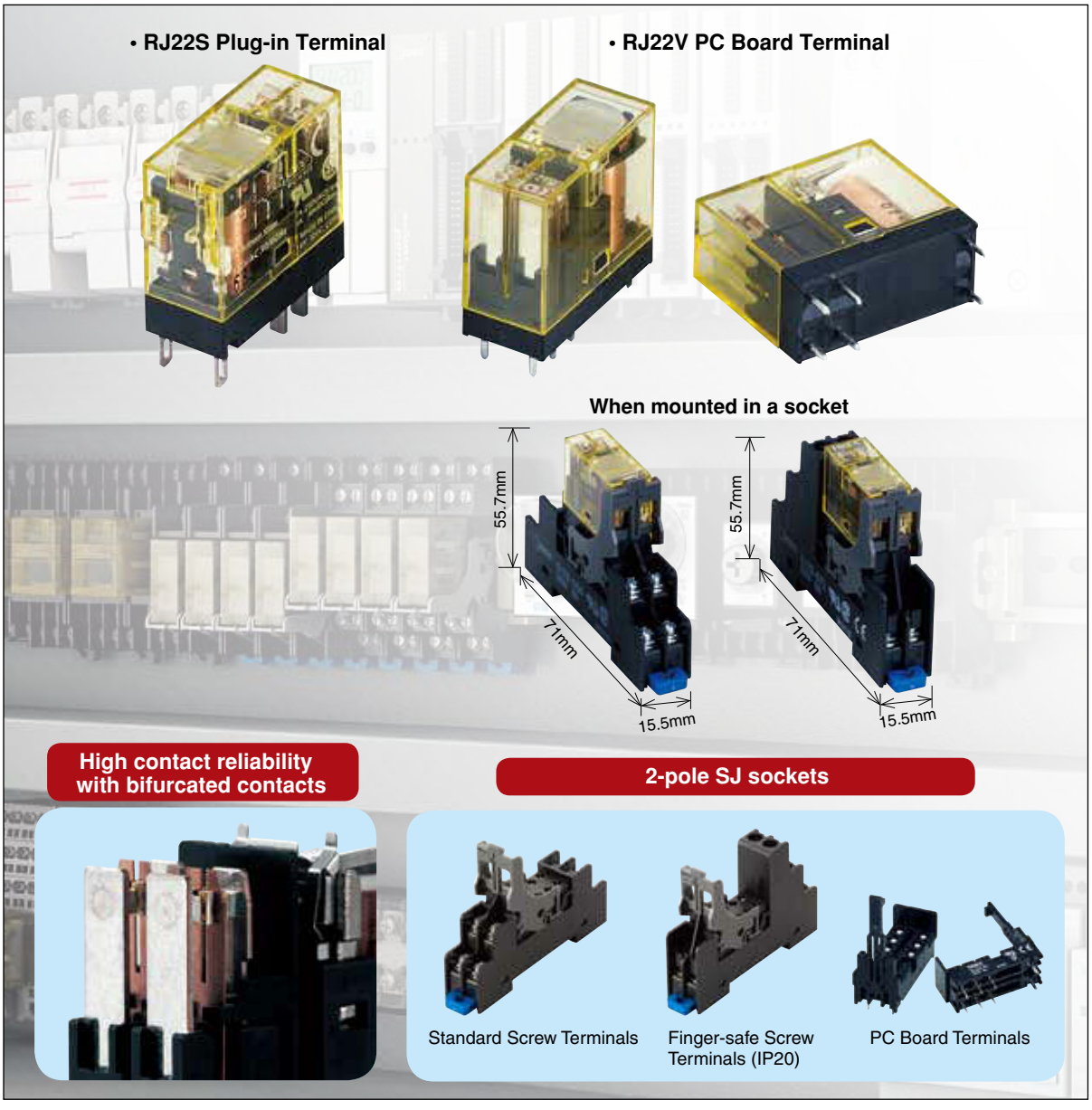
Think Automation and beyond...

IDEC

New

RJ Series

Slim Power Relays (Bifurcated Contacts)



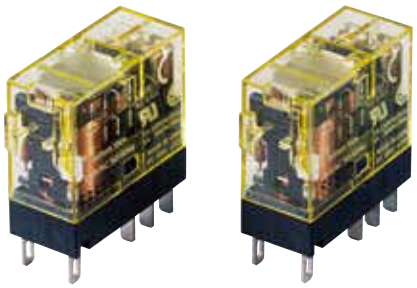
IDEC CORPORATION

(110620)

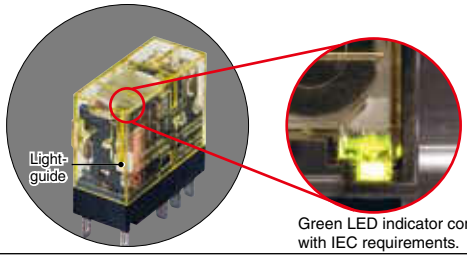
RJ Series Slim Power Relay Plug-in Terminal (bifurcated contacts)

High contact reliability with bifurcated contacts (minimum applicable load: 1V DC, 100μA)

- The smallest width for 2-pole/bifurcated contacts relay (based on IDEC research as of April 2011)
- Non-polarized green LED indicator available (except for simple type)
- IDEC's unique light-guide structure enables an RJ relay to be identified by the illuminating LED.
- Diode, reverse polarity diode, and RC circuits are available.
- Peak inverse voltage is 1000V.
- UL recognized, CSA certified, VDE approved, EN compliant.



• **IDEC's unique light-guide structure**



Green LED indicator compliant with IEC requirements.

Applicable Standards

Standards	Mark	File No. or Organization
UL508		UL Recognized File No. E55996
CSA C22.2 No.14		CSA File No. LR35144
EN61810-1	VDE REG.-Nr.B312	VDE No. 40015055
	CE	EU Low Voltage Directive

Relays

Bifurcated Contacts

Type	2-pole (bifurcated contacts DPDT)	
	Part No. (Ordering Part No.)	Coil Voltage Code
Standard (with LED indicator)	RJ22S-CL-∗	A12, A24, A110, A115, A120, A220, A230, A240, D5, D6, D12, D24, D48, D100
Simple (without LED indicator)	RJ22S-C-∗	
With diode (with LED indicator)	RJ22S-CLD-∗	D5, D6, D12, D24, D48, D100
With diode (without LED indicator)	RJ22S-CD-∗	
With diode Reverse polarity (with LED indicator)	RJ22S-CLD1-∗	
With diode Reverse polarity (without LED indicator)	RJ22S-CD1-∗	
With RC circuit (with LED indicator)	RJ22S-CLR-∗	A12, A24, A110, A115, A120, A220, A230, A240
With RC circuit (without LED indicator)	RJ22S-CR-∗	

Coil Voltage Code

Code	Voltage
A12	12V AC
A24	24V AC
A110	110V AC
A115	115V AC
A120	120V AC
A220	220V AC
A230	230V AC
A240	240V AC
D5	5V DC
D6	6V DC
D12	12V DC
D24	24V DC
D48	48V DC
D100	100-110V DC

Contact Ratings

Allowable Contact Power		Rated Load			Allowable Switching Current	Allowable Switching Voltage	Minimum Applicable Load (Note)
Resistive Load	Inductive Load	Voltage	Resistive Load	Inductive Load cosø=0.4 L/R=7ms			
250VA AC 30W DC	100VA AC 15W DC	250V AC	1A	0.4A	1A	250V AC 125V DC	1V DC 100μA (reference value)
		30V DC	1A	0.5A			

Note: Measured at operating frequency of 120 operations per minute (failure rate level P, reference value)