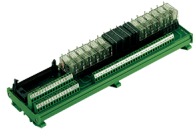


# IMRE1SS16/C NCSSRx



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THE RIGHT CONNECTION

## 16 I/O CNC Interface Module with Solid State Relay

-IMRE1SS16/CNC and IMRE1SS16/CNCSSRx Interface Modules from Connectwell ease PLC wiring in CNC machines.

-These modules provide connection possibility for both the input and output side of a PLC in a single module and are compatible with various PLCs from Fanuc, GE, Mitsubishi, Schneider & Siemens.

### TECHNICAL DATA

Relay on Indication	3mm Red LED
Supply Voltage Indication	3mm Green LED
Relay Protection Method	Using 1N4007 Free Wheeling Diode
Ambient Operating Temperature	-20 to +50 °C
Mounting Possibility	DIN32 / DIN35 / DIN35-15 / PANEL
Housing Material	PVC / V0 Grade
Housing Colour	Green

### IDC / FRC CONNECTOR SPECIFICATIONS

Contact Material	Brass
Rated Current / Pin	2 A
Contact Resistance	30m ohms maximum
Dielectric Withstanding Voltage	500VAC for 1 minute
Insulation Resistance	3000M ohms minimum
IDC / FRC Connector Approvals	Mark world

### RELAY INPUT / COIL SPECIFICATIONS

Nominal Operating Voltage	24 VDC
Nominal Input Current	21.8 mA
Maximum Operating Voltage	26.4 VDC
Must Operate Voltage	16.8 VDC
Must Release Voltage	3.6 VDC
Coil Resistance	1100 Ω

### RELAY OUTPUT/CONTACT SPECIFICATIONS

Contact Type	1 CO
Contact Material	AgCdO
Load Voltage Range	380 VAC / 125 VDC
Maximum Operating Frequency	1800 Opr./Hr

### CONNECTION SPECIFICATIONS

Type of Connection	Screw Connection
Min. Wire Size	0.5 mm <sup>2</sup>
Max. Wire Size	2.5 mm <sup>2</sup>
Min. Wire Size(AWG)	30 AWG
Max. Wire Size(AWG)	14 AWG

### CONNECTION SPECIFICATIONS

Wire Stripping Length	8.3 mm
Torque	0.5 Nm
Torque	4.5 lb-in

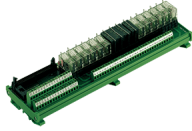
### ORDERING INFORMATION

CAT. NO.	DESCRIPTION	NO. OF CHN.	DIM. DET.	STD. PACK
IMRE1SS16/ CNCSSRx	16CH 24VDC Solid State+Electromechanical Relay Board for EASE OF PLC Wiring in CNC Machine With Base (Pluggable Relay) Rail Mount	16	316 X 88 X 74	1
IMRE1S16/ CNCSSRx	16CH 24VDC Solid State+Electromechanical Relay Board for Ease OF PLC Wiring in CNC Machine With Soldered Relay Rail Mount	16	316 X 88 X 74	1

### ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA509/K2	Marking Tag Blank suitable for CDL4U / CDL4U(I.S) / CTL2.5U / CTL2.5UH / CTL2.5UL / CTL2.5HUL / CTL2.5U(I.S) / CTL2.5U(I,S)D2 / CGMT4 / CSFL4U / CSFL4U(L) / CMT4 / CMB4 / ASF4 / ASF4(L) / CTS2.5	100

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#### ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

#### CIRCUIT DIAGRAM

# Hello, world!

#### NOTES

\* Module Lengths mentioned are for RAIL Mounting option only. The lengths may vary for PANEL Mounting.  
\*\* PANEL Mounting relay modules are available on request. Please use the suffix -P with the cat. no. for ordering.  
\*\*\* FRC Cable Available on request. #Module with Other Coil Voltage like 6 VDC, 48 VDC, 24 VAC etc. are available on request.  
## X-no. of SSR