

Introducing SCHRACK XT Series Interface Plug-in Relay

SCHRACK XT Series Interface Plug-in Relays

KEY FEATURES

Choice of 1 form C (SPDT)
or 2 form C (DPDT) models

SPDT rated 16A @ 240VAC;
DPDT rated 8A @ 240VAC

Plugs into same sockets as
our RT series relays

Sensitive DC coil (400mW)
or AC coil (.58VA @ 60Hz)

Compact design is only .54"
in (13.7 mm) wide

Test lever, mechanical indica-
tor, LED indicator and pro-
tection diode options

4kV (8mm) coil-to-contact
isolation

Reinforced insulation, pro-
tection class II (VDE 0700)



DESCRIPTION

Slim, compact general purpose relay in one or two pole configurations for plug-in mounting.

APPLICATIONS

Panel interface applications in industrial machinery and other systems.

MECHANICAL

Robust terminals withstand plugging, unplugging.
Optional mechanical test lever which may be customized for momentary or locking operation.

STANDARDS AND SPECS

UL Recognized for the US and Canada, file number E214025.
VDE approved, registration number B758.

ELECTRICAL

Contact Data
Contact Arrangements & Ratings: 1 Form C (SPDT) rated 16A @ 240VAC;
2 Form C (DPDT) rated 8A @ 240VAC.

Contact Material: Silver Nickel 90/10
Expected Life: 50,000 operations with DC coil at rated load;
30,000 operations with AC coil at rated load.

Coil Data
Coil Voltage: 12 to 110VDC and 24 to 230VAC. Others on request.
Coil Power: 400mW; 0.76VA @ 50 Hz. / 0.58VA @ 60 Hz

Initial Dielectric Strength
Coil-to-Contacts: 5,000Vrms, when used with socket RT78726;
4,000Vrms, when used with socket RT78725.

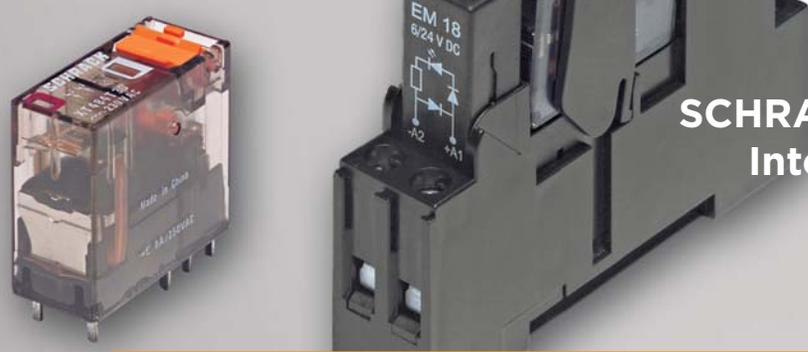
Between Open Contacts: 1,000Vrms.
Between Poles: 2,500Vrms.

ENVIRONMENTAL

Operating Temperature Range: -40°C to +70°C.
Vibration Resistance (functional): 20G, 30-500Hz for NO contact;
5G, 30-500 Hz for NC contact.

Shock Resistance (destructive): 100G.

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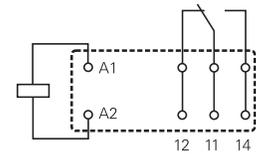
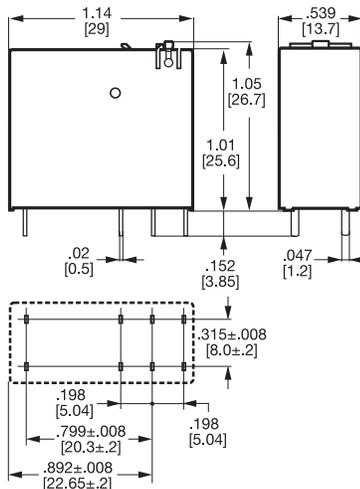


PRODUCT OFFERING

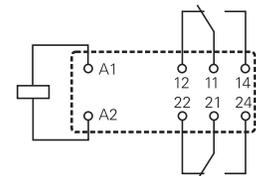
| Part Number | Contact Arrangement | Coil Voltage | Test Lever & Mechanical Indicator | Optional Circuit | Internal Part Number |
|-------------|---------------------|--------------|-----------------------------------|------------------|----------------------|
| XT314012 | 1 Form C (SPDT) | 12VDC | No | No | 1887100-2 |
| XT314024 | 1 Form C (SPDT) | 24VDC | No | No | 1887100-3 |
| XT374LB2 | 1 Form C (SPDT) | 12VDC | Yes | LED & PD | 1887112-3 |
| XT374LC4 | 1 Form C (SPDT) | 24VDC | Yes | LED & PD | 1887112-1 |
| XT314524 | 1 Form C (SPDT) | 24VAC | No | No | 1887101-3 |
| XT314615 | 1 Form C (SPDT) | 115VAC | No | No | 1887101-7 |
| XT374R24 | 1 Form C (SPDT) | 24VAC | Yes | LED | 1887113-3 |
| XT374S15 | 1 Form C (SPDT) | 115VAC | Yes | LED | 1887113-4 |
| XT374T30 | 1 Form C (SPDT) | 230VAC | Yes | LED | 1887113-1 |
| XT424012 | 2 Form C (DPDT) | 12VDC | No | No | 1887200-2 |
| XT424024 | 2 Form C (DPDT) | 24VDC | No | No | 1887200-3 |
| XT484LB2 | 2 Form C (DPDT) | 12VDC | Yes | LED & PD | 1887212-3 |
| XT484LC4 | 2 Form C (DPDT) | 24VDC | Yes | LED & PD | 1887212-1 |
| XT424524 | 2 Form C (DPDT) | 24VAC | No | No | 1887201-3 |
| XT424615 | 2 Form C (DPDT) | 115VAC | No | No | 1887201-7 |
| XT424R24 | 2 Form C (DPDT) | 24VAC | Yes | LED | 1887213-3 |
| XT424S15 | 2 Form C (DPDT) | 115VAC | Yes | LED | 1887213-4 |
| XT424T30 | 2 Form C (DPDT) | 230VAC | Yes | LED | 1887213-1 |

Chart above reflects some of the more common part numbers. Relays with different options are available.

OUTLINE DIMENSIONS & WIRING DIAGRAMS



1 Form C
(SPDT)



2 Form C
(DPDT)

ACCESSORIES

NOTE: All relay and accessory part numbers listed in the column at right are RoHS compliant.

Note: Specifications and availability are subject to change without notice. Consult data sheet 1-1773450-2 for detailed specifications.

| Part Number | Description | Internal Part Number |
|-------------|-------------------------------------------------------------------------------|----------------------|
| RT78726 | Screw terminal socket, DIN mount, logical terminal arrangement | 6-1415035-1 |
| RT78725 | Screw terminal socket, DIN mount, conventional terminal arrangement | 1860306-1 |
| RT7872P | Poke-in (screwless) terminal socket, DIN mount, logical terminal arrangement | 1860200-1 |
| XT17017 | Plastic retaining clip for use with XT relay and the above-listed sockets | 2022104-1 |
| RT17040 | Marking tag for use with the above-listed sockets | 2-1415038-1 |
| RT170P1 | Jumper bar for use with RT7872P sockets | 1860211-1 |
| PTM... | Plug-in LED and protection modules for optional use with above-listed sockets | Various |

FOR MORE INFORMATION

Technical Support

| | |
|----------------|--------------------------------------------------------------------------------------|
| Internet: | www.tycoelectronics.com |
| E-mail: | newproducts@tycoelectronics.com |
| USA: | 1-800-522-6752 |
| Canada: | 1-905-470-4425 |
| Mexico: | 52-55-1106-0800 |
| C. America: | 57-1-254-4444 |
| South America: | 55-11-2103-6000 |
| Hong Kong: | 852-2735-1628 |
| Japan: | 81-44-844-8013 |
| UK: | 44-208-420-8341 |

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