Terminal Block Relays

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Catalog Number Selection

XR Series—Overview

XR U 1 D 12 G

Description
XR = ***XR*** terminal block relay

Connection Type
U = Screw
P = Spring
R = Replacement relay

Poles
1 = 1PDT
2 = 2PDT

Type
D = Standard relay
S = Octocoupler (solid-state)
H = High current

Voltage
12 = 12 Vdc
24 = 24 Vdc
24U = 24 Vac/Vdc
120U = 120 Vac/110 Vdc
230U = 230 Vac/220 Vdc

Gold-Flashed Contacts
Blank = No
G = Yes

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Standard Terminal Block Relay

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Standard Terminal Block Relays

Product Description

The ***XR*** Series Terminal Block Relays are ideal for applications that require a high switching capacity and long electrical service life. The relays are plug-in interfaces that connect to basic terminal blocks. The ***XR*** Series uses screw or spring-cage technology, as well as offers quick system wiring, superior safety features, clear labeling and a high level of modularity.

Application Description

Used in automation systems, electromechanical relays guarantee a safe connection between process I/O and electronic controls. The following functions are covered by relay coupling elements:

- Electrical isolation between the input and output circuits
- Independence of the type of switching current (AC and DC)
- High short-term overload resistance in the event of short circuits or voltage peaks
- Low switching losses
- Ease of operation

Features

- Pluggable relay allows for field replacement
- Functional plug-in bridges
- Choice of screw connections or spring-cage connection
- LED status indication
- DIN rail mount
- Only 6.2 mm wide for single-pole versions, 14 mm wide for double-pole
- All common input voltages between 12 Vdc to 120 Vac
- Gold-plated contacts available
- Equipped with a robust, miniature relay:
  - IP67 protection
  - Environmentally friendly, cadmium-free contact material
  - Easy, cost-effective installation and replacement using the engagement lever

Standards and Certifications

- cULus listed
- CE

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