01 / Product dashboard

PHOENIX CONTACT

REL-IR-BL/L-24DC/4×21 1032527

Industrial Relay

Product role

Phoenix Contact REL-IR-BL/L-24DC/4×21 1032527 is a plug-in industrial relay with four changeover contacts, a 24 VDC coil and local status indication.

24 VDC coil

Polarized control input

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Relay mechanism

Monostable operation

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Four contacts

Changeover switching

Selection boundary

1032527 identifies the REL-IR-BL/L- 24DC/4X21 single relay. Coil, contact and insulation limits apply to the relay; the matching socket and installation enclosure are separate selection items.

02 / Technical capability map

Item	Design fact	Item	Design fact
Product type	Plug-in industrial relay	Minimum switching condition	12 V at 10 mA
Article number	1032527	Limiting continuous current	6 A
Contact arrangement	4 changeover contacts	Maximum NO inrush	12 A for 20 ms
Contact material	AgNi	Resistive interrupting rating	144 W at 24 VDC; 1500 VA at 250 VAC
Nominal coil voltage	24 VDC	Relay protection / location	RT II / installation location ≥ IP54
Input voltage range	19.2–46.8 VDC at 20 °C	Operating and storage temperature	-40 to +70 °C
Coil operation	Monostable, polarized	Maximum altitude	2000 m
Typical input current	32 mA at nominal voltage	Insulation classification	Basic insulation; category III; pollution degree 2
Typical response / release	15 ms / 10 ms	Status indication	Yellow LED and mechanical position indicator
Maximum switching voltage	250 VAC/DC	Mounting	Plug-in; any orientation

03 / Applications and system integration

Industrial contact switching

Switch four changeover circuits with the specified AgNi contacts. Evaluate the actual load type, current and voltage against the relevant contact ratings.

24 VDC control circuits

Operate the polarized monostable coil from a compatible 24 VDC control circuit. The 19.2–46.8 VDC range is specified at 20 °C and must retain that condition.

Local relay diagnostics

Use the yellow LED and mechanical position indication during controlled troubleshooting. The test button can affect connected circuits, so its use belongs within the machine test procedure.

Socket-based panel assembly

Install the relay in the correct matching socket within an enclosure providing at least IP54. Any-orientation mounting and zero-spacing rows do not replace socket and thermal checks.

04 / Installation and engineering precautions

Match the full relay identity

Retain REL-IR-BL/L-24DC/4×21 and article 1032527 together. Compare the coil marking and contact arrangement with the installed relay and socket.

Check coil conditions

Use the polarized 24 VDC coil with the correct connection polarity. Apply the input range only with its stated 20 °C condition and review temperature-dependent operation.

Rate the actual contact load

Check switching voltage, continuous current, inrush duration and resistive or inductive load separately. The 12 A inrush limit applies to normally open contacts for 20 ms.

Respect insulation limits

Do not use this relay to separate SELV/PELV circuits from other circuits. Do not mix SELV/PELV and hazardous voltages on adjacent channels or switch different outer conductors.

Provide the correct enclosure

Use the matching plug-in socket and an installation location rated at least IP54. Keep operating temperature within -40 to +70 °C and altitude at or below 2000 m.

Control functional testing

Isolate affected circuits before replacement. Use the test button only under an approved procedure, then verify coil actuation, contact states and machine response before release.

05 / Reference, support and portfolio

Lifecycle and supply

A current formal manufacturer lifecycle phase for REL-IR-BL/L-24DC/4×21 1032527 has not been confirmed. Request current support and replacement guidance using the complete installed identity. Apter Power availability and dispatch are confirmed separately in the quotation.

Reference basis

Phoenix Contact 1032527 product data sheet, data status 22 October 2026.

Apter Power technical summary; not a manufacturer-issued manual. Apply the original instructions for the actual installation.

Related industrial automation products

Navigation only; no substitution or compatibility claim.

Phoenix Contact QUINT-PS/1AC/24DC/10 2866763

Phoenix Contact QUINT-PS-100-240AC/24DC/10 2938604

Phoenix Contact QUINT4-PS/1AC/12DC/15

Discuss your installed configuration

Send the full unit marking and connection details.

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