ABB DRM570024LT AU 4CO 24V 3ABD00036448

Four-Changeover 24 V DC Plug-In Coupling Relay

ABB DRM570024LT AU 4CO 24V 3ABD00036448 Four-Changeover 24 V DC Plug-In Coupling Relay with verified technical identity, model-specific selection data and controlled commissioning guidance.

01 Product identity and selection data

Complete model	DRM570024LT AU 4CO 24V 3ABD00036448
Product type	Four-Changeover 24 V DC Plug-In Coupling Relay
Manufacturer	ABB
System / platform	ABB supplied relay reference using Weidmüller D-SERIES DRM technology

02 Exact-model technical capability map

ABB supplied reference	3ABD00036448	**Coil power**	0.9 W
Core relay manufacturer	Weidmüller	**Coil resistance**	630 ohm ±10%
Core order number	7760056097	**Contact arrangement**	4 changeover contacts
Relay type	DRM570024LT	**Continuous contact current**	5 A
Rated control voltage	24 V DC	**Rated switching voltage**	250 V AC
Rated coil current	37.8 mA	**AC switching capacity**	1250 VA resistive

03 Engineering role and selection boundary

Four-pole signal isolation

Four independent changeover contacts transfer multiple control circuits from one 24 V DC coil.

Commissioning aids

The transparent relay includes a status LED, position indication and a lockable or momentary test button.

Socket-based maintenance

Plug-in construction permits controlled relay exchange while preserving the approved base and conductor arrangement.

Exact marking

Approve the complete order reference only after the installed interfaces and companion hardware agree.

Technical basis	Weidmüller DRM570024LT exact-model datasheet and ABB supplied reference 3ABD00036448
Installed relationship	ABB supplied relay reference using Weidmüller D-SERIES DRM technology
Release gate	Resolve identity, interface and compatibility differences in the written offer before release.

04 Engineering overview and system application

DRM570024LT is a Weidmüller D-SERIES plug-in relay with a 24 V DC coil and four changeover contacts. The offered ABB supplied reference is 3ABD00036448.

The relay carries 5 A continuous contact current with a 250 V AC switching rating and includes status indication and a test button. Load category and inrush must remain within the documented switching limits.

Before replacement, record the socket, conductor assignments and contact duty. After insertion, verify coil polarity where applicable, contact states, manual-test recovery and the controlled circuit response.

Application map

Control-signal multiplication
Switch four independent changeover circuits from one 24 V DC command.

Interposing-relay service
Separate controller outputs from field control circuits through a plug-in relay.

Panel maintenance
Retain socket, base wiring and relay test-button behavior.

ABB spare mapping
Confirm 3ABD00036448 together with the DRM570024LT core marking.

Lifecycle and available-unit boundary

Lifecycle status	Current relay technology used as an ABB mapped spare
Supply scope	the DRM570024LT AU 4CO 24V 3ABD00036448 four-changeover 24 v dc plug-in coupling relay; companion hardware only when itemized
Dispatch	Swift global dispatch
Selection basis	Complete marking, installed relationship and written quotation

Technical notes and evidence boundary

Exact identity	DRM570024LT AU 4CO 24V 3ABD00036448
Documented function	Four-Changeover 24 V DC Plug-In Coupling Relay
Technical evidence	Weidmüller DRM570024LT exact-model datasheet and ABB supplied reference 3ABD00036448
Evidence boundary	Only the documented ABB supplied relay reference using Weidmüller D-SERIES DRM technology relationship and stated exact-model values are applied
Commissioning record	Retain installed markings, configuration and functional proof

Additional verified exact-model data

DC switching capacity	120 W at 24 V resistive
Operate/release delay	Less than 20 ms
Mechanical life	20 million operations
Protection degree	IP20

05 Installation and product precautions

Record relay and socket
Capture ABB mapping, core marking and base type.

Isolate every contact circuit
Prove coil and load circuits safe.

Inspect plug-in pins
Check socket grip, heat damage and keying.

Confirm contact duty
Compare all four loads with the switching limits.

Test released and energized states
Verify every NO and NC path.

Return the test button
Ensure normal automatic control is restored.

Controlled verification sequence

01 Record	Send the complete DRM570024LT AU 4CO 24V 3ABD00036448 marking, revision labels, current-unit photographs and installed position.
02 Isolate	Apply the approved isolation and prove the safe state before disturbing the installed arrangement.
03 Compare	Reconcile the complete marking, interfaces, companion hardware and approved system record.
04 Prove	Compare the offered DRM570024LT AU 4CO 24V 3ABD00036448 interfaces, ratings and included items with the approved system record before ordering.
05 Handover	Retain photographs, settings, readings, diagnostics and accepted deviations.

Engineering decision questions

Who manufactures the core relay in DRM570024LT AU 4CO 24V 3ABD00036448?
The exact DRM570024LT relay is made by Weidmüller; 3ABD00036448 is treated as the supplied ABB spare reference.

Which coil data applies to DRM570024LT AU 4CO 24V 3ABD00036448?
The relay uses a 24 V DC, 37.8 mA coil rated 0.9 W with approximately 630 ohms resistance.

How many changeover contacts does DRM570024LT AU 4CO 24V 3ABD00036448 provide?
It provides four changeover contacts with a documented 5 A continuous current rating.

What socket information should be captured for DRM570024LT AU 4CO 24V 3ABD00036448?
Record base type, terminal numbers, coil polarity, contact assignments and any suppression or indication module.

Verified related product pages

Recommended product	ABB PM511V16 3BSE011181R1
Recommended product	ABB F4332D 3HAC024322-001
Recommended product	ABB 170M5388/PC72UD13C250T 3AUA0000090404
Recommended product	ABB 170M6467 3AUA0000062487

Discuss the complete marking and installed application with Apter Power

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Scan the approved QR code for direct contact and quotation support.