

Murrelektronik D-71570

Relay Interface Module

Product scope

- Switches two changeover contact circuits from a 24 V DC control signal.
- Uses spring-clamp wiring in the compact MIRO 12.4 interface format.
- Provides safe separation between the input electronics and relay contact side.

Manufacturer source

Exact-model technical record

Verified model-specific overview, function, operating principle, applications and technical data.

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Murrelektronik D-71570

Relay Interface Module

Product overview

Murrelektronik D-71570 is the supplied MIRO 12.4 relay interface associated with Article No. 6652102. It uses a 24 V DC input and provides two changeover contacts rated up to 6 A.

D-71570 is retained as the complete model supplied for this product listing, while Article No. 6652102 identifies the MIRO 12.4-1AUSG.REL.24VDC-2U-FK interface shown in the product image. Its spring-clamp terminals combine a 24 V DC control input with two isolated changeover contact sets.

An optically indicated relay stage converts the low-current control signal into galvanically separated switching for AC or DC loads. Safe separation to EN 60947-1 supports its use between controller electronics and field circuits.

Replacement selection should retain D-71570 exactly as supplied and also verify Article No. 6652102, contact duty, terminal technology and phase-out status against the physical unit.

Technical specifications

Article number	6652102
Product designation	MIRO 12.4-1AUSG.REL.24VDC-2U-FK
Control input	24 V DC
Input operating range	19.2 to 30 V DC
Input current	18 mA
Output contacts	2 changeover contacts
Maximum switching current	6 A
Maximum switching voltage	250 V AC/DC
AC-15 rating at 24 V	6 A
AC-15 rating at 110 V	3 A
AC-15 rating at 230 V	1.5 A
DC-13 rating at 24 V	6 A
DC-13 rating at 110 V	0.3 A
DC-13 rating at 230 V	0.1 A
Terminal technology	Spring clamp
Contact separation	Safe separation to EN 60947-1
Degree of protection	IP20
Status indication	LED
Country of origin	Czech Republic
Last-time-order date	2026-12-21

D-71570 function and operating principle

Ordered configuration

The listing retains D-71570 exactly as supplied and records Article No. 6652102 as the matching hardware identifier.

System role

It interposes controller outputs from higher-voltage or higher-current field loads through relay contacts.

Selection and installation

Contact category, inrush and expected cycle life should be evaluated rather than relying only on the six-ampere headline rating.

Functional path

- Switches two changeover contact circuits from a 24 V DC control signal.
- Uses spring-clamp wiring in the compact MIRO 12.4 interface format.
- Provides safe separation between the input electronics and relay contact side.

Application scenarios

- PLC panels use the module to drive contactors or signalling circuits that cannot connect directly to a transistor output.
- Building and machine controls isolate two field circuits while using one 24 V command path.
- Service retrofits replace a worn relay interface without altering the controller program or load wiring arrangement.

D-71570 engineering checks

Safety & Compliance

- Safe separation is specified according to EN 60947-1 for the relay interface.
- IP20 construction requires installation inside a closed electrical cabinet.
- The connected load must respect the AC-15 or DC-13 utilisation-category rating rather than only the resistive maximum.

Performance

- The 24 V DC coil operates across the documented 19.2 to 30 V range at about 18 mA.
- Two changeover contacts provide flexible normally open and normally closed wiring.
- Switching capability decreases substantially for high-voltage DC inductive loads.

Installation

- Spring-clamp terminals support direct cabinet wiring without screw retightening.
- The narrow MIRO 12.4 format is intended for DIN-rail interface rows.
- Input polarity, contact commons and protective devices must be identified before conductor transfer.

Critical technical note

Keep D-71570 unchanged on the order and confirm Article No. 6652102 on the physical relay before wiring the replacement.

The technical content in this document is limited to the exact product identity shown above and the verified manufacturer material used for preparation.



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