3BHE012049R0101 UFD128A101

Legacy Optical Interface Module

ABB 3BHE012049R0101 UFD128A101 Legacy Optical Interface Module with exact-model technical data, controlled replacement guidance and product-specific verification records.

3BHE012049R0101 UFD128A101 configuration dashboard

Optical-path isolation

The module supports an installed fiber or optical interface that must remain clean and correctly routed.

Article-and-type pairing

3BHE012049R0101 and UFD128A101 are verified together before replacement.

Revision-sensitive service

The R0101 execution, connector orientation and companion hardware control compatibility.

Exact order-code identity

Complete product reference	3BHE012049R0101 UFD128A101
Product type	Legacy Optical Interface Module
System platform	ABB legacy drive and control hardware
ABB article number	3BHE012049R0101
Type designation	UFD128A101
Product class	Optical interface module
Board format	Plug-in circuit module
Signal boundary	Installed optical communication path

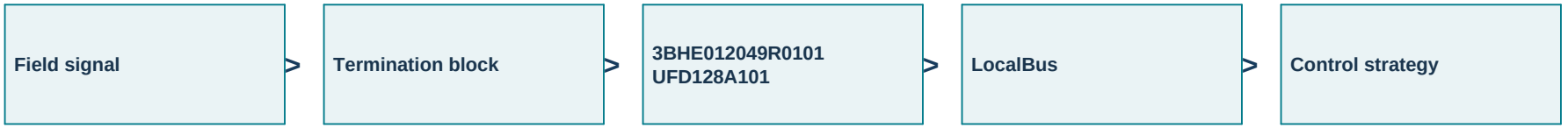
3BHE012049R0101 UFD128A101 identifies an ABB legacy optical interface module whose engineering boundary is the installed optical path, connector execution and companion-board relationship.

Legacy Optical Interface Module technical capability map

Revision boundary	R0101 execution
Handling requirement	ESD and optical-port protection
As-found evidence	Optical routing and companion-board identity
Replacement basis	Complete marking and installed-system evidence

Connector boundary	Optical and backplane interfaces
Replacement basis	Article, type, revision and connector layout
Commissioning basis	Link diagnostics and system recognition

Installed signal or connection path



System interpretation boundary

Its installation boundary includes optical connectors, routing, backplane position and companion boards. Protect open optical interfaces from contamination and bending damage.

After ESD-controlled replacement, inspect connector seating and optical condition, then verify system recognition, link diagnostics and the assigned control function.

Application fit decisions for 3BHE012049R0101 UFD128A101

Legacy optical communication

Restore the documented optical interface within the installed ABB system.

Drive and controller service

Preserve companion-board, backplane and optical-routing relationships.

Link fault isolation

Separate optical loss, connector, module and controller causes.

Revision-controlled spare selection

Match article number, UFD type and R0101 execution.

Engineering decision matrix

How should the optical path associated with 3BHE012049R0101 UFD128A101 be documented?	Record both optical endpoints, connector orientation, cable route, bend condition and companion-board identity before removal.

Why must the R0101 execution be preserved for 3BHE012049R0101 UFD128A101?	The article revision is part of the module identity and must match the installed backplane and optical-interface arrangement.
What connector inspection is required before installing 3BHE012049R0101 UFD128A101?	Inspect optical faces and backplane contacts for contamination, damage or bent features and keep open ports protected.
How should optical cable handling be controlled for 3BHE012049R0101 UFD128A101?	Maintain the approved bend radius and strain relief, avoid twisting and clean connectors only with the approved optical procedure.

Applications must be evaluated against the exact installed machine drawing, target, companion hardware and receiving channel. Related product references do not imply substitution.

3BHE012049R0101 UFD128A101 service controls and maintenance logic

Map the optical link

Record both endpoints, connector orientation and cable route.

Preserve the R0101 identity

Match article, type, revision and backplane execution.

Protect optical faces

Cap open ports and prevent contamination or scratching.

Maintain cable geometry

Preserve bend radius, strain relief and separation.

Use ESD controls

Protect the plug-in module and backplane contacts.

Verify link diagnostics

Confirm recognition and assigned control-path operation.

Additional technical questions

Which companion hardware should be recorded for 3BHE012049R0101 UFD128A101?	Capture the rack position, adjacent boards and both ends of the optical link so compatibility is not inferred from the module alone.
How can a link fault after fitting 3BHE012049R0101 UFD128A101 be isolated?	Check seating, optical cleanliness, cable continuity, companion-board diagnostics and system recognition in that order.
What ESD controls apply to 3BHE012049R0101 UFD128A101?	Use grounded ESD handling and protect both optical and backplane interfaces while the plug-in module is outside the rack.
What proves acceptance of 3BHE012049R0101 UFD128A101?	Require stable system recognition, the expected optical-link diagnostics and successful operation of the assigned control function.

Technical notes

Exact identity	3BHE012049R0101 UFD128A101
Documented function	Legacy Optical Interface Module
Technical evidence	ABB installed-board marking and legacy optical-interface service records
Verification boundary	Confirm the complete marking and installed ABB legacy drive and control hardware arrangement before selection

3BHE012049R0101 UFD128A101 source record and supported references

Manufacturer reference	ABB installed-board marking and legacy optical-interface service records
Applicability	Facts are limited to the exact order-code selections and stated matched-system conditions.
Public page	Exact product page linked from the first-page model title
Evidence boundary	No neighboring-model option or unsupported lifecycle conclusion is assigned to this product.

Verified related product references and contact

Recommended product	ABB DSQC406 3HAC035301-001
Recommended product	ABB DSQC604 3HAC12928-1
Recommended product	ABB DSQC608 3HAC12934-1
Recommended product	ABB DSQC611 3HAC13389-2
Recommended product	ABB DSQC652 3HAC025917-001

Discuss the exact marking and installed relationship with Apter Power.
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