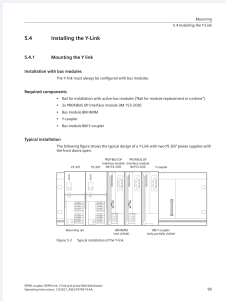


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6ES7654-7HY00-0XA0

SIMATIC S7 bus module for one Y-coupler



ACCOMMODATES	ASSEMBLY	INCLUDED	MOUNTING
1 Y-coupler	Y-link	Module cover	Active-bus rail

Siemens 6ES7654-7HY00-0XA0 is the BM Y-coupler bus module for accommodating one Y-coupler in a SIMATIC S7 Y-link assembly. The ordered bus module includes its cover; it is not the Y-coupler electronics or a complete redundant gateway.

01

VERIFIED PRODUCT PARAMETERS

Supported coupler	One Y-coupler, 6ES7197-1LB00-0XA0
Included accessory	Bus module cover
Adjacent backplane unit	BM IM/IM for the two PROFIBUS DP interface modules
Mounting support	S7 rail for installation with active bus modules
Module retention	Installed module screws also secure the bus module to the rail
Operating temperature	Horizontal: 0 to 60 deg C; vertical: 0 to 40 deg C
Storage / transport temperature	-40 to +70 deg C in original packaging
Storage / transport humidity	10 to 95%, without condensation
Outdoor use	No, per Siemens component ordering table
Degree of protection	IP20; no protection against water penetration

Technical values were verified against Siemens A5E37478314-AA, 12/2021; exact-model Industry Mall and the Siemens Industry Mall record for the exact article number.

02 MECHANICAL AND LIFECYCLE DATA

Packaging dimensions	10.2 x 10.5 x 6.8 cm
Net weight (Siemens catalog)	Approx. 0.10 kg (catalog: 0.104 kg)
Country of origin	Germany
Lifecycle	PM300: Active product in Siemens catalog

03 SYSTEM ROLE AND APPLICATIONS

The module forms the mounting and backplane connection beneath the Y-coupler. It mates with the adjacent BM IM/IM on the specified active-bus mounting rail. Select it from the actual Y-link bill of materials and plan an isolated maintenance window before dismantling the backplane.

- Redundant-system integration: support the Y-coupler in a Y-link connecting an S7-400H redundant DP master to standard DP slaves.
- Maintenance access to field devices: support the Y-link backplane used for PG/PC communication to lower-level DP slaves through the S7-400H.
- Planned backplane repair: restore the coupler mounting and mating bus connection during an isolated Y-link disassembly and rebuild.

04 OFFICIAL INSTALLATION FACTS

- Qualified personnel must switch off the 24 V DC supplies before dismantling an operating Y-link.
- Use the specified rail for active bus modules and retain 40 mm free space above and below the assembly.
- Hook BM IM/IM into the rail and slide it to its engagement position; fit the BM Y-coupler alongside it.
- Push the bus modules together until their connections contact; use the side guides to insert the Y-coupler.

05 OFFICIAL DOCUMENTATION

Siemens A5E37478314-AA, 12/2021; exact-model Industry Mall

AMIKON PRODUCT SUPPORT

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