

DCOM-232/485

Five-Port HSE Communication FTA

Honeywell DCOM-232/485 is a five-port HSE communication FTA that terminates serial links for a Safety Manager USI-0002 interface.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Safety Manager

PART

DCOM-232/485

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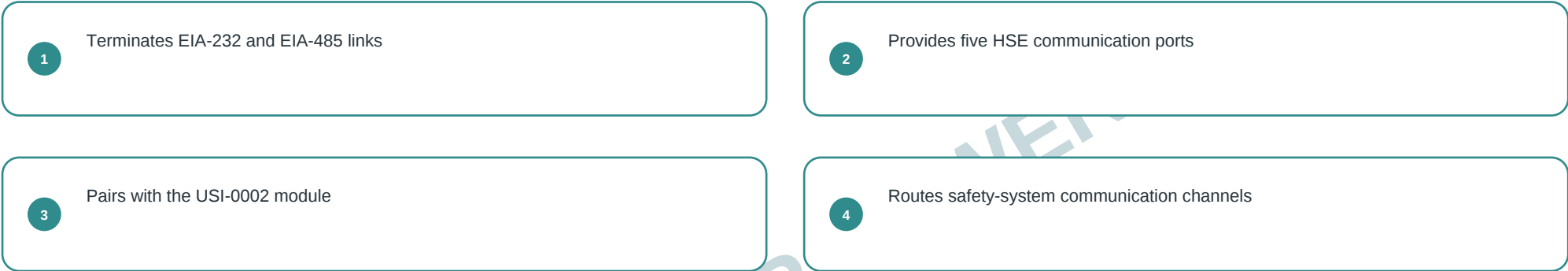
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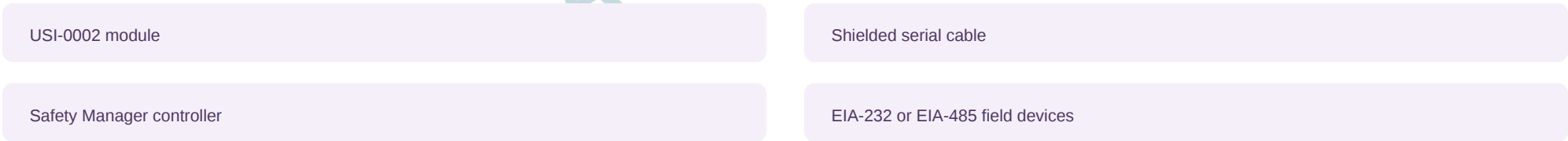
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PRODUCT OVERVIEW

Honeywell DCOM-232/485 is a five-port HSE communication FTA that terminates serial links for a Safety Manager USI-0002 interface.



SYSTEM COMPONENTS



TECHNICAL DATA

PARAMETER	VALUE
Serial interfaces	EIA-232; EIA-485
Network function	HSE communication
Port count	5

PARAMETER	VALUE
Companion module	USI-0002
FTA function	Communication termination and switching

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TECHNICAL NOTE

Select one electrical interface per port, maintain EIA-485 termination and shield continuity, and prove each configured link before enabling command traffic.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Safety PLC serial gateways

Terminates EIA-232 and EIA-485 links

Redundant controller communications

Provides five HSE communication ports

Package-unit serial links

Pairs with the USI-0002 module

Safety-network maintenance access

Routes safety-system communication channels

PRODUCT PRECAUTIONS

- 1 Verify the complete DCOM-232/485 marking and its assigned Safety Manager position before work.
- 2 Isolate the applicable power and field energy before disconnecting DCOM-232/485.
- 3 Protect DCOM-232/485 connectors and electronic assemblies with approved ESD controls.
- 4 Record the installed wiring, channel assignment and configuration before replacement.
- 5 Match USI-0002 module and Shielded serial cable to the documented system arrangement.
- 6 Commission DCOM-232/485 with controlled status, signal and diagnostic checks.
- 7 Retain the final safety plc serial gateways functional-test result in the maintenance record.

ENGINEER FAQ

Q1 Does DCOM-232/485 match USI-0002 module in a Safety PLC serial gateways installation?

Verify the complete DCOM-232/485 marking, the documented Safety Manager position and the installed USI-0002 module before fitting the assembly.

Q2 How should DCOM-232/485 be wired when it must terminates eia-232 and eia-485 links?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for DCOM-232/485; then continuity-test the affected path.

Q3 Which Safety Manager records should be captured before removing DCOM-232/485?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with DCOM-232/485 before disconnection.

Q4 What controlled test confirms that DCOM-232/485 can provides five hse communication ports?

Apply the approved field or simulated stimulus, observe the Safety Manager indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which Shielded serial cable condition should be checked when DCOM-232/485 reports an abnormal state?

Check the Shielded serial cable supply, seating and connection first, then compare channel diagnostics with the recorded DCOM-232/485 baseline.

Q6 Can DCOM-232/485 be moved directly into Redundant controller communications without validating EIA-232 or EIA-485 field devices?

No. Confirm the EIA-232 or EIA-485 field devices, revision, connection scheme and Safety Manager configuration before transferring DCOM-232/485 to that duty.

Q7 What maintenance evidence is required after DCOM-232/485 is used for Package-unit serial links?

Retain the nameplate record, corrective action, final diagnostics and a controlled package-unit serial links functional-test result for DCOM-232/485.

Q8 How should DCOM-232/485 be returned to service in Safety-network maintenance access?

Restore power under control, verify pairs with the usi-0002 module, exercise the intended signal path and release DCOM-232/485 only after the Safety Manager remains in its approved operating state.

SOURCE Honeywell Safety Manager Hardware Reference | EP-SM.MAN.6284 R162

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