

10018/E/1

Conformally Coated FSC PlantScape Ethernet Connection Module

Honeywell 10018/E/1 is a conformally coated FSC PlantScape Ethernet connection module. It provides one Ethernet communication path between a Fail Safe Controller and the supervisory system.

PRODUCT SNAPSHOT

BRAND

Honeywell

FAMILY

Fail Safe Controller

PART

10018/E/1

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10018/E/1

PRODUCT OVERVIEW

Honeywell 10018/E/1 is a conformally coated FSC PlantScape Ethernet connection module. It provides one Ethernet communication path between a Fail Safe Controller and the supervisory system.

1

Connects an FSC node to PlantScape Ethernet

2

Provides an Ethernet communication path

3

Transfers safety-system status to the host

4

Uses conformally coated hardware

SYSTEM COMPONENTS

FSC node

PlantScape host

Ethernet network

FSC communication configuration

TECHNICAL DATA

PARAMETER	VALUE
Network function	PlantScape Ethernet connection
Ethernet connections	1

PARAMETER	VALUE
Board coating	Conformal
Node family	FSC

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TECHNICAL NOTE

Record the configured network address and host relationship, isolate the interface and verify communications without changing the safety application.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

FSC supervisory communication

Connects an FSC node to PlantScape Ethernet

Safety alarm transfer

Provides an Ethernet communication path

PlantScape integration

Transfers safety-system status to the host

Ethernet interface maintenance

Uses conformally coated hardware

PRODUCT PRECAUTIONS

- 1 Verify the complete 10018/E/1 marking and the assigned Fail Safe Controller position before field work.
- 2 Isolate the applicable power, network and field energy before disconnecting 10018/E/1.
- 3 Use ESD controls and protect the keyed connectors of 10018/E/1 during handling.
- 4 Record the installed wiring, jumpers, node or channel assignment before replacement.
- 5 Confirm FSC node and PlantScape host against the approved system configuration.
- 6 Restore 10018/E/1 under controlled conditions and review the product-specific diagnostics.
- 7 Complete a functional test for fsc supervisory communication before production release.

ENGINEER FAQ

Q1 Which FSC node identity must be verified before fitting the 10018/E/1 Conformally Coated FSC PlantScape Ethernet Connection Module?

Match the complete 10018/E/1 marking, assigned Fail Safe Controller position and installed FSC node before work.

Q2 How should PlantScape host be isolated before disconnecting the 10018/E/1 Conformally Coated FSC PlantScape Ethernet Connection Module?

Place the affected process in its approved maintenance state, isolate applicable energy and prove PlantScape host safe before disconnection.

Q3 What as-found wiring record is required for the 10018/E/1 Conformally Coated FSC PlantScape Ethernet Connection Module in FSC supervisory communication?

Record terminal identity, polarity, shields, jumpers, cable tags and the as-found diagnostic state for 10018/E/1.

Q4 Which Fail Safe Controller configuration must be checked when commissioning the 10018/E/1 Conformally Coated FSC PlantScape Ethernet Connection Module?

Verify the assigned channel, slot, node or interface and compare it with the approved Fail Safe Controller configuration before enabling 10018/E/1.

Q5 How can the 10018/E/1 Conformally Coated FSC PlantScape Ethernet Connection Module be function-tested for Safety alarm transfer without disturbing the process?

Use a controlled stimulus or limited command, observe the expected system indication and confirm the intended response while normal interlocks remain effective.

Q6 Which diagnostics should be reviewed if the 10018/E/1 Conformally Coated FSC PlantScape Ethernet Connection Module stops performing its assigned system function?

Check seating, the matched FSC node, the condition of PlantScape host and the model-specific diagnostics before replacing more hardware.

Q7 Can the 10018/E/1 Conformally Coated FSC PlantScape Ethernet Connection Module used for PlantScape integration be transferred to another Fail Safe Controller position without engineering review?

No. Confirm the hardware execution, connector scheme and approved Fail Safe Controller configuration before transferring 10018/E/1 to a different duty.

Q8 What evidence should be retained after the 10018/E/1 Conformally Coated FSC PlantScape Ethernet Connection Module returns to Ethernet interface maintenance service?

Retain the physical identification, as-left wiring or configuration, final diagnostics and controlled functional-test result for 10018/E/1.

SOURCE Honeywell System HINTS September 2022 | FSC node parts list

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