

SIMATIC DP, PROFINET Interface module IM 154-3 PN, High Feature for ET 200 PRO, Integrated switch, incl. termination module, Connection modules 6ES7194-4AK00-0AA0 order separately



General information

Product type designation	IM 154-3 PN HF
Vendor identification (VendorID)	0x002A
Device identifier (DeviceID)	0x0305

Supply voltage

Rated value (DC)	24 V
Reverse polarity protection	Yes; against destruction
Short-circuit protection	Yes; Fuse in lower part is exchangeable, the fuse on the IM-LP is not

Load voltage 2L+

- | | |
|---|---|
| <ul style="list-style-type: none"> Rated value (DC) Reverse polarity protection | <p>24 V</p> <p>Yes; against destruction</p> |
|---|---|

Input current

from supply voltage 1L+, max.	300 mA
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Power loss

Power loss, typ.	5 W
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Address area

Addressing volume	
• Inputs	256 byte
• Outputs	256 byte
Interfaces	
Interfaces/bus type	PROFINET IO
Interface types	
M12 port	
• Autonegotiation	Yes
• Transmission rate, max.	100 Mbit/s
Protocols	
Protocols (Ethernet)	
• SNMP	Yes
• LLDP	Yes
• ping	Yes
• ARP	Yes
Redundancy mode	
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Alarms	
• Diagnostic alarm	Yes; Parameterizable
• Hardware interrupt	Yes; Parameterizable
Diagnostics indication LED	
• MAINT LED	Yes
• LINK LED	Yes
• RX/TX LED	Yes
• Bus fault BF (red)	Yes
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (green)	Yes
• Load voltage monitoring 24 V DC (green)	Yes
Parameter	
Swapping interrupt	Parameterizable
Startup if setpoint not equal to actual configuration	Parameterizable
Hot swapping of modules	possible
Potential separation	
between backplane bus and electronics	No
between supply voltage and electronics	Yes
Isolation	
Isolation tested with	707 V DC (type test)

Degree and class of protection

IP degree of protection	IP65/67
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Ambient conditions

Ambient temperature during operation

- | | |
|--------|--------|
| • min. | -25 °C |
| • max. | 55 °C |

Ambient temperature during storage/transportation

- | | |
|--------|--------|
| • min. | -40 °C |
| • max. | 70 °C |

Dimensions

Width	90 mm
Height	130 mm
Depth	60 mm

Weights

Weight, approx.	375 g
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last modified:	05/13/2020
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