



SIMATIC DP, PROFINET Interface module IM 154-4 PN, High Feature for ET 200 PRO, Integrated switch, incl. termination module, connection module in PN 6ES7194-4A.00-0AA0 order separately

General information	
Product type designation	IM 154-4 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
power supply according to NEC Class 2 required	No
Load voltage 2L+	
<ul style="list-style-type: none"> <li>Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>	Yes; against destruction
Input current	
from supply voltage 1L+, max.	400 mA; Dependent on terminal module, typ. maximum value for FO connection method, full load on RWB and 20.4 V input voltage
Power loss	
Power loss, typ.	6 W; dependent on terminal module, typ. maximum value for CU connection method, full load on RWB, for FO the value is approx. 0.7 W higher
Address area	
Addressing volume	
<ul style="list-style-type: none"> <li>Inputs</li> </ul>	256 byte
<ul style="list-style-type: none"> <li>Outputs</li> </ul>	256 byte
Interfaces	
Interfaces/bus type	PROFINET IO
Interface types	
M12 port	
<ul style="list-style-type: none"> <li>Autonegotiation</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Transmission rate, max.</li> </ul>	100 Mbit/s
Protocols	
Protocols (Ethernet)	
<ul style="list-style-type: none"> <li>SNMP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>ping</li> </ul>	Yes
<ul style="list-style-type: none"> <li>ARP</li> </ul>	Yes
Redundancy mode	
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Alarms	

• Diagnostic alarm	Yes; Parameterizable
• Hardware interrupt	Yes; Parameterizable
<b>Diagnostics indication LED</b>	
• MAINT LED	Yes
• LINK LED	Yes
• RX/TX LED	Yes
• For load voltage monitoring	Yes
• Bus fault BF (red)	Yes
• Group error SF (red)	Yes
• Monitoring 24 V voltage supply ON (green)	Yes
<b>Parameter</b>	
Swapping interrupt	Parameterizable
Startup if setpoint not equal to actual configuration	Parameterizable
Hot swapping of modules	possible
<b>Potential separation</b>	
between backplane bus and electronics	No
between supply voltage and electronics	Yes
<b>Isolation</b>	
Isolation tested with	707 V DC (type test)
<b>Degree and class of protection</b>	
IP degree of protection	IP65/67
<b>Ambient conditions</b>	
Ambient temperature during operation	
• min.	-25 °C
• max.	55 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
<b>Dimensions</b>	
Width	135 mm
Height	130 mm
Depth	60 mm
<b>Weights</b>	
Weight, approx.	490 g
<b>last modified:</b>	9/27/2021 