



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"> Rated value (DC) | 24 V |
| <ul style="list-style-type: none"> Reverse polarity protection | 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"> Inputs | 256 byte |
| <ul style="list-style-type: none"> Outputs | 256 byte |
| Interfaces | |
| Interfaces/bus type | PROFINET IO |
| Interface types | |
| M12 port | |
| <ul style="list-style-type: none"> Autonegotiation | Yes |
| <ul style="list-style-type: none"> Transmission rate, max. | 100 Mbit/s |
| Protocols | |
| Supports protocol for PROFINET IO | Yes |
| PROFIsafe | Yes |
| PROFIBUS | No |
| EtherNet/IP | No |
| Protocols (Ethernet) | |
| <ul style="list-style-type: none"> SNMP | Yes |
| <ul style="list-style-type: none"> ping | Yes |
| <ul style="list-style-type: none"> 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 |
| • For load voltage monitoring | Yes |
| • Bus fault BF (red) | Yes |
| • Group error SF (red) | Yes |
| • Monitoring 24 V voltage supply ON (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 |
| 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 | 135 mm |
| Height | 130 mm |
| Depth | 60 mm |
| Weights | |
| Weight, approx. | 490 g |

| Classifications | | | |
|-----------------|--------|---------|----------------|
| | | Version | Classification |
| | eClass | 14 | 27-24-26-08 |
| | eClass | 12 | 27-24-26-08 |
| | eClass | 9.1 | 27-24-26-08 |
| | eClass | 9 | 27-24-26-08 |
| | eClass | 8 | 27-24-26-08 |
| | eClass | 7.1 | 27-24-26-08 |
| | eClass | 6 | 27-24-26-08 |
| | ETIM | 9 | EC001604 |
| | ETIM | 8 | EC001604 |
| | ETIM | 7 | EC001604 |
| | IDEA | 4 | 3564 |
| | UNSPSC | 15 | 32-15-17-05 |

| Approvals / Certificates | |
|--------------------------|--|
| General Product Approval | |

[Manufacturer Declaration](#)



[KC](#)

Marine / Shipping



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Marine / Shipping

Industrial Communication

[CCS \(China Classification Society\)](#)



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