




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 |
| 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. | 300 mA |
| Power loss | |
| Power loss, typ. | 5 W |
| 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 | |
| Protocols (Ethernet) | |
| <ul style="list-style-type: none"> SNMP | Yes |
| <ul style="list-style-type: none"> LLDP | 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 | |
| <ul style="list-style-type: none"> 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 | 90 mm |
| Height | 130 mm |
| Depth | 60 mm |
| Weights | |
| Weight, approx. | 375 g |
| last modified: | 9/27/2021  |