



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+                               |                                                                       |
| • Rated value (DC)                             | 24 V                                                                  |
| • 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                              |                                                                       |
| • 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                                                                                           |
| • 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                                                 | 90 mm                                                                                         |
| Height                                                | 130 mm                                                                                        |
| Depth                                                 | 60 mm                                                                                         |
| <b>Weights</b>                                        |                                                                                               |
| Weight, approx.                                       | 375 g                                                                                         |
| <b>last modified:</b>                                 | 9/27/2021  |