

SIMATIC DP, PROFIBUS DP interface module IM 154-2 High Feature for ET 200 PRO incl. termination module, connection module in 6ES7194-4A.00-0AA0 to be ordered separately; product phase-out planned - see SIOS 109989704



| General information                                   |                              |
|-------------------------------------------------------|------------------------------|
| Product type designation                              | IM 154-2 DP HF               |
| Vendor identification (VendorID)                      | 8119H                        |
| Supply voltage                                        |                              |
| Rated value (DC)                                      | 24 V                         |
| Reverse polarity protection                           | Yes; against destruction     |
| Short-circuit protection                              | Yes; over exchangeable fuses |
| 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.                         | 200 mA                       |
| Power loss                                            |                              |
| Power loss, typ.                                      | 5 W                          |
| Address area                                          |                              |
| Addressing volume                                     |                              |
| • Inputs                                              | 244 byte                     |
| • Outputs                                             | 244 byte                     |
| Interfaces                                            |                              |
| Interfaces/bus type                                   | PROFIBUS DP                  |
| Interface types                                       |                              |
| RS 485                                                |                              |
| • Transmission rate, max.                             | 12 Mbit/s                    |
| • automatic detection of transmission rate            | Yes                          |
| Protocols                                             |                              |
| Supports protocol for PROFINET IO                     | No                           |
| PROFIsafe                                             | Yes                          |
| PROFIBUS                                              | Yes                          |
| EtherNet/IP                                           | No                           |
| PROFIBUS DP                                           |                              |
| Services                                              |                              |
| — SYNC capability                                     | Yes                          |
| — FREEZE capability                                   | Yes                          |
| — Direct data exchange (slave-to-slave communication) | Yes                          |
| Interrupts/diagnostics/status information             |                              |
| Alarms                                                |                              |
| • Diagnostic alarm                                    | Yes; Parameterizable         |

|                                                          |                      |
|----------------------------------------------------------|----------------------|
| • Hardware interrupt                                     | Yes; Parameterizable |
| <b>Diagnostics indication LED</b>                        |                      |
| • 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 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>                                |                      |
| <b>Ambient temperature during operation</b>              |                      |
| • min.                                                   | -25 °C               |
| • max.                                                   | 55 °C                |
| <b>Ambient temperature during storage/transportation</b> |                      |
| • 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>Classifications</b>                                   |                      |

|        | 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   | 10      | EC001604       |
| ETIM   | 9       | EC001604       |
| ETIM   | 8       | EC001604       |
| ETIM   | 7       | EC001604       |
| IDEA   | 4       | 3564           |
| UNSPSC | 15      | 32-15-17-05    |

|                                 |     |
|---------------------------------|-----|
| <b>Approvals / Certificates</b> |     |
| General Product Approval        | EMV |



|                   |                      |
|-------------------|----------------------|
| Test Certificates | Maritime application |
|-------------------|----------------------|

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|

[Confirmation](#)



[Environmental Confirmations](#)

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