


SIMATIC DP, PROFIBUS DP Interface module IM 154-1 DP for ET 200 PRO incl. termination module, connection module in 6ES7194-4A.00-0AA0 order separately



| General information  |                              |
|--|------------------------------|
| Product type designation   | IM 154-1 DP                  |
| Vendor identification (VendorID)   | 8118H                        |
| 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+   |                              |
| <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.  | 200 mA                       |
| Power loss   |                              |
| Power loss, typ.   | 5 W                          |
| Address area   |                              |
| Addressing volume  |                              |
| <ul style="list-style-type: none"> <li>Inputs</li> </ul>                                   | 244 byte                     |
| <ul style="list-style-type: none"> <li>Outputs</li> </ul>                                  | 244 byte                     |
| Interfaces   |                              |
| Interfaces/bus type  | PROFIBUS DP                  |
| Interface types  |                              |
| RS 485   |                              |
| <ul style="list-style-type: none"> <li>Transmission rate, max.</li> </ul>                  | 12 Mbit/s                    |
| <ul style="list-style-type: none"> <li>automatic detection of transmission rate</li> </ul> | Yes                          |
| Protocols  |                              |
| PROFIBUS DP  |                              |
| Services   |                              |
| — SYNC capability  | Yes                          |
| — FREEZE capability  | Yes                          |
| — Direct data exchange (slave-to-slave communication)                                      | Yes                          |
| Interrupts/diagnostics/status information  |                              |
| Alarms   |                              |
| <ul style="list-style-type: none"> <li>Diagnostic alarm</li> </ul>                         | Yes; Parameterizable         |
| <ul style="list-style-type: none"> <li>Hardware interrupt</li> </ul>                       | Yes; Parameterizable         |
| Diagnostics indication LED   |                              |
| <ul style="list-style-type: none"> <li>For load voltage monitoring</li> </ul>              | Yes                          |
| <ul style="list-style-type: none"> <li>Bus fault BF (red)</li> </ul>                       | Yes                          |
| <ul style="list-style-type: none"> <li>Group error SF (red)</li> </ul>                     | Yes                          |

|   |   |
|---|---|
| • Monitoring 24 V voltage supply ON (green)           | Yes   |
| <b>Parameter</b>                                      |   |
| DPV1 operation  | possible  |
| 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>                             |   |
| 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>                                 | 4/1/2022  |