

Data sheet

6ES7154-1AA01-0AB0

SIMATIC DP, PROFIBUS DP interface module IM 154-1 DP 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 154-1 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"> Rated value (DC) | 24 V |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> Inputs | 244 byte |
| <ul style="list-style-type: none"> Outputs | 244 byte |
| Interfaces | |
| Interfaces/bus type | PROFIBUS DP |
| Interface types | |
| RS 485 | |
| <ul style="list-style-type: none"> Transmission rate, max. | 12 Mbit/s |
| <ul style="list-style-type: none"> automatic detection of transmission rate | Yes |
| Protocols | |
| Supports protocol for PROFINET IO | No |
| PROFIsafe | No |
| 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 | |
| <ul style="list-style-type: none"> Diagnostic alarm | Yes; Parameterizable |

| | |
|---|----------------------|
| • Hardware interrupt | Yes; Parameterizable |
| Diagnostics indication LED | |
| • 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 supply voltage and electronics | Yes |
| Isolation | |
| Isolation tested with | 707 V DC (type test) |
| 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 |

| | 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 |

Approvals / Certificates

General Product Approval



[Manufacturer Declaration](#)

[Miscellaneous](#)



General Product Approval **Maritime application**



Maritime application Industrial Communication

[NK / Nippon Kaiji Ky-
okai](#)




[CCS \(China Classifica-
tion Society\)](#)

[KR \(Korean Register
of Shipping\)](#)



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10/23/2025 

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