

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

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
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Power loss

Power loss, typ.	5 W
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Address area

Addressing volume	
<ul style="list-style-type: none"> 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

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

Diagnostics indication LED

- Bus fault BF (red) Yes
- Group error SF (red) Yes
- Monitoring 24 V voltage supply ON (green) Yes
- Load voltage monitoring 24 V DC (green) Yes

Parameter

DPV1 operation possible

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)

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
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