SIEMENS

Data sheet 6ES7154-1AA01-0AB0

Siemens EcoTech

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+	
● 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	
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

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Interrupts/diagnostics/status information	
Alarms	
● 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

Classifications

	Version	Classification
eClass	16	27-24-26-08
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	Test Certificates	Maritime application
cULus, EAC, CE EG-Konf., UKCA	Type Test Certificates/Test Report	BUREAU VERITAS

Maritime application	other	Environment

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Confirmation

Environmental Confirmations

Environment

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