

SIMATIC DP, PROFIBUS DP INTERFACE MODULE IM154-1 DP
FOR ET 200PRO INCLUSIVE TERMINATING MODULE
CONNECTING MODULE IM 6ES7194-4A.00-0AA0 MUST BE
ORDERED SEPARATELY

Supply voltage

Rated value (DC)	24 V
Reverse polarity protection	Yes; against destruction
Short-circuit protection	Yes; over exchangeable fuses
Load voltage 2L+	
• Rated value (DC)	24 V
• Reverse polarity protection	Yes; against destruction

Input current

from supply voltage 1L+, max.	200 mA
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Address area

Addressing volume	
• Inputs	244 byte
• Outputs	244 byte

Interfaces

Interfaces/bus type	PROFIBUS DP
Interface physics, RS 485	Yes
PROFIBUS DP	
• automatic detection of transmission rate	Yes
• Transmission rate, min.	9.6 kbit/s
• Transmission rate, max.	12 Mbit/s
• 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; integrated power module

Parameter

DPV1 operation	possible
Swapping interrupt	Parameterizable
Hot swapping of modules	possible

Potential separation

between backplane bus and electronics	No
between supply voltage and electronics	Yes

Permissible potential difference

between different circuits	75 V DC/60 V AC
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Isolation

Isolation tested with	500 V DC
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Degree and class of protection

Degree of protection acc. to EN 60529	
• IP65	Yes
• IP66	Yes
• IP67	Yes

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	59.3 mm

Weights

Weight, approx.	395 g
last modified:	03/08/2018