

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

Interrupts/diagnostics/status information			
Alarms			
<ul style="list-style-type: none">Diagnostic alarm	Yes; Parameterizable		
<ul style="list-style-type: none">Hardware interrupt	Yes; Parameterizable		
Diagnostics indication LED			
<ul style="list-style-type: none">For load voltage monitoring	Yes		
<ul style="list-style-type: none">Bus fault BF (red)	Yes		
<ul style="list-style-type: none">Group error SF (red)	Yes		
<ul style="list-style-type: none">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			
<ul style="list-style-type: none">min.	-25 °C		
<ul style="list-style-type: none">max.	55 °C		
Ambient temperature during storage/transportation			
<ul style="list-style-type: none">min.	-40 °C		
<ul style="list-style-type: none">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
			
		Type Test Certificates/Test Report	
Maritime application		other	Environment



[Confirmation](#)



[Environmental Con-
firmations](#)

Environment

Siemens
EcoTech



last modified:

10/23/2025