

SIMATIC DP, PROFIBUS DP Interface module IM 154-2 High Feature for ET 200 PRO incl. termination module, connection module in 6ES7194-4A.00-0AA0 order separately



General information	
Product type designation	IM 154-2 DP HF
Vendor identification (VendorID)	8119H
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"> <li>Rated value (DC)</li> </ul>	24 V
<ul style="list-style-type: none"> <li>Reverse polarity protection</li> </ul>	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"> <li>Inputs</li> </ul>	244 byte
<ul style="list-style-type: none"> <li>Outputs</li> </ul>	244 byte
Interfaces	
Interfaces/bus type	PROFIBUS DP
Interface types	
RS 485	
<ul style="list-style-type: none"> <li>Transmission rate, max.</li> </ul>	12 Mbit/s
<ul style="list-style-type: none"> <li>automatic detection of transmission rate</li> </ul>	Yes
Protocols	
PROFIBUS DP	
Services	
<ul style="list-style-type: none"> <li>— SYNC capability</li> </ul>	Yes
<ul style="list-style-type: none"> <li>— FREEZE capability</li> </ul>	Yes
<ul style="list-style-type: none"> <li>— Direct data exchange (slave-to-slave communication)</li> </ul>	Yes
Interrupts/diagnostics/status information	
Alarms	
<ul style="list-style-type: none"> <li>Diagnostic alarm</li> </ul>	Yes; Parameterizable
<ul style="list-style-type: none"> <li>Hardware interrupt</li> </ul>	Yes; Parameterizable
Diagnostics indication LED	
<ul style="list-style-type: none"> <li>For load voltage monitoring</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Bus fault BF (red)</li> </ul>	Yes

<ul style="list-style-type: none"> <li>• Group error SF (red)</li> <li>• Monitoring 24 V voltage supply ON (green)</li> </ul>	<p>Yes</p> <p>Yes</p>
<b>Parameter</b>	
DPV1 operation	possible
Swapping interrupt	Parameterizable
Startup if setpoint not equal to actual configuration	Parameterizable
Hot swapping of modules	possible
<b>Potential separation</b>	
between supply voltage and electronics	Yes
<b>Isolation</b>	
Isolation tested with	707 V DC (type test)
<b>Degree and class of protection</b>	
IP degree of protection	IP65/67
<b>Ambient conditions</b>	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	<p>-25 °C</p> <p>55 °C</p>
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	<p>-40 °C</p> <p>70 °C</p>
<b>Dimensions</b>	
Width	90 mm
Height	130 mm
Depth	60 mm
<b>Weights</b>	
Weight, approx.	375 g
<b>last modified:</b>	4/1/2022 