



SIMATIC interface module IM 152-1PN for ET200iSP, PROFINET connection standard, and redundant operation, incl. 2x SFP transceiver Ex, multimode fiber-optic cable LC, 50/125µm and 62.5/125µm, Ex ib IIC T4 Gb, Ex ib I Mb

General information	
Product brand name	SIMATIC
Product family	ET 200iSP
Product category	Interface module
Product type designation	IM 152-1PN
HW functional status	01
Firmware version	V1.0.4
• FW update possible	Yes
Vendor identification (VendorID)	02AH
Product function	
• Isochronous mode	No
Installation type/mounting	
Rack mounting	No
Front mounting	Yes; incl. mounting rail
Rail mounting	Yes
Wall mounting/direct mounting	No
Supply voltage	
Type of supply voltage	DC, SELV
Rated value (DC)	11.5 V supply voltage; 3.55 V bus
permissible range, upper limit (DC)	12.7 V supply voltage; 4.1 V bus
Input current	
from load voltage (power bus), max.	150 mA
Power loss	
Power loss, typ.	1.6 W
Hardware configuration	
Fieldbus connection via separate transceiver	No
IO-Link	
IO-Link master	No
Interfaces	
Interfaces/bus type	PROFINET IO
Transmission rate, max.	100 Mbit/s
Supports protocol for PROFINET IO	
Cable length	
— Multimode graded-index fiber 50/125 µm	3 000 m
— Multimode graded-index fiber 62.5/125 µm	3 000 m
1. Interface	
Interface type	multimode fiber-optic cable
Interface types	
• RJ 45 (Ethernet)	No

• Number of ports	2
• integrated switch	Yes
• BusAdapter (PROFINET)	No
• Design of the connection	Optical
• type of connector	LC
Protocols	
• PROFINET IO Device	Yes
• Media redundancy	Yes
PROFINET IO Device	
Services	
— Shared device	No
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIsafe	Yes
PROFIBUS	No
PROFIBUS DP	No
EtherNet/IP	No
Redundancy mode	
• PROFINET system redundancy (S2)	Yes
• PROFINET system redundancy (R1)	Yes
Media redundancy	
— MRP	Yes
Open IE communication	
• LLDP	Yes
Interrupts/diagnostics/status information	
Alarms	Yes
Diagnostics function	Yes
Alarms	
• acyclic function, interrupts	Yes
• acyclic function, parameters	Yes
Diagnostics indication LED	
• RUN LED	Yes; green LED
• ERROR LED	Yes; red LED
• MAINT LED	Yes; Yellow LED
• LINK LED	Yes; green LED
• Monitoring of the supply voltage (PWR-LED)	Yes; green LED
• Bus fault BF (red)	No
• Group error SF (red)	No
• Monitoring 24 V voltage supply ON (green)	No
Potential separation	
between supply voltage and electronics	No
Degree and class of protection	
IP degree of protection	IP30
Standards, approvals, certificates	
CE mark	CE 0344
UKCA mark	DEKRA 22UKEX0109 Importer UK: Siemens plc Manchester M20 2UR
cULus	LISTED E334384
Suitable for safety functions	No
INMETRO certificate	UL-BR 22.4315
reference designation according to IEC 81346-2 (2009)	K
Use in hazardous areas	
• ATEX marking	II 2 G Ex ib IIC T4 Gb and I M2 Ex ib I Mb
• ATEX certificate	DEKRA 22ATEX0036
• IECEx	IECEx DEK 22.0020
• CCC Ex	2023322310005199
• EAC Ex	No
• Explosion protection category for gas	ATEX gas explosion protection, Zone 1
• Explosion protection category for dust	No
• associated equipment (Ex ia)	No

• associated equipment (Ex ib)	No
Ambient conditions	
Ambient temperature during operation	
• horizontal installation, min.	-20 °C
• horizontal installation, max.	70 °C
• vertical installation, min.	-20 °C
• vertical installation, max.	50 °C
Ambient temperature during storage/transportation	
• min.	-40 °C
• max.	70 °C
Altitude during operation relating to sea level	
• Ambient air temperature-barometric pressure-altitude	Up to max. 2 000 m
Relative humidity	
• Operation, max.	95 %
Dimensions	
Width	30 mm
Height	190 mm
Depth	130 mm
Weights	
Weight, approx.	440 g
Classifications	

	Version	Classification
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	For use in hazardous locations



[KC](#)



[CCC-Ex](#)

For use in hazardous locations



[Miscellaneous](#)



[Type Examination Certificate](#)



Environment



