



SIMATIC ET 200BL, PROFINET interface module IM, 2x integrated RJ45 socket, 16 I/O modules, PN security class 1, including end cover packing unit: 1 unit,

General information	
Product type designation	IM 155-8 PN
HW functional status	from FS01
Firmware version	V1.0.0
• FW update possible	Yes
Vendor identification (VendorID)	0x002A
Device identifier (DeviceID)	0x031D
Product function	
• I&M data	Yes; I&M0 to I&M3
• Module swapping during operation (hot swapping)	No
• Isochronous mode	No
• IRT	Yes
Engineering with	
• STEP 7 TIA Portal configurable/integrated from version	STEP 7 V18 or higher; MicroWin V3.0 or higher; Configuration in ES via GSDML;
• PROFINET from GSD version/GSD revision	GSDML V2.45
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Short-circuit protection	Yes
Mains buffering	
• Mains/voltage failure stored energy time	5 ms
Input current	
Current consumption (rated value)	350 mA
Current consumption, max.	480 mA
Inrush current, max.	0.314 A
I^2t	0.00037 A ² ·s
Power loss	
Power loss, typ.	1.9 W
Address area	
Address space per module	
• Address space per module, max.	128 byte; For input and output data respectively
Address space per station	
• Address space per station, max.	128 byte; For input and output data respectively
Hardware configuration	
Rack	
• number of modules per ET 200BL station, max.	16

Interfaces	
Number of PROFINET interfaces	1; 2 ports (switch)
1. Interface	
Interface types	
• RJ 45 (Ethernet) • Number of ports • integrated switch • BusAdapter (PROFINET)	Yes; 2 integrated RJ45 ports 2; integrated RJ45 ports Yes No
Protocols	
• PROFINET IO Device • PROFIBUS DP device • Open IE communication • Media redundancy	Yes No Yes No
PROFINET IO Device	
Services	
— IRT — PROFIenergy — Shared device	Yes No No
Interface types	
RJ 45 (Ethernet)	
• Transmission procedure • 100 Mbps • Autonegotiation • Autocrossing	PROFINET with 100 Mbit/s full duplex (100BASE-TX) Yes Yes Yes
Protocols	
Supports protocol for PROFINET IO	Yes
PROFIsafe	No
PROFIBUS	No
EtherNet/IP	No
Modbus TCP	No
Redundancy mode	
• PROFINET system redundancy (S2)	No
Media redundancy	
— MRP — MRPD	No No
Open IE communication	
• TCP/IP • SNMP • LLDP	Yes Yes Yes
Interrupts/diagnostics/status information	
Status indicator	Yes
Alarms	Yes
Diagnostics function	Yes
Diagnostics indication LED	
• RUN LED • ERROR LED • MAINT LED • Monitoring of the supply voltage (PWR-LED) • Connection display LINK TX/RX	Yes; green LED Yes; red LED Yes; Yellow LED Yes; green PWR LED Yes; 2x green LED
Potential separation	
between backplane bus and electronics	No
between PROFINET and all other circuits	Yes; 1500 V AC (type test)
between supply and all other circuits	No
Isolation	
Isolation tested with	500 V AC/707 V DC, type test
Standards, approvals, certificates	
Network loading class	3
Ecological footprint	

• environmental product declaration	Yes		
Global warming potential			
— global warming potential, (total) [CO2 eq]	91 kg		
— global warming potential, (during production) [CO2 eq]	4.7 kg		
— global warming potential, (during operation) [CO2 eq]	86.4 kg		
— global warming potential, (after end of life cycle) [CO2 eq]	-0.193 kg		
Security			
PROFINET Security Class	1		
signed firmware update	Yes		
Secure Boot	Yes		
safely removing data	Yes		
Ambient conditions			
Ambient temperature during operation			
• horizontal installation, min.	-30 °C		
• horizontal installation, max.	60 °C		
• vertical installation, min.	-30 °C		
• vertical installation, max.	50 °C		
Altitude during operation relating to sea level			
• Installation altitude above sea level, max.	5 000 m		
Dimensions			
Width	35 mm		
Height	117 mm		
Depth	74 mm		
Weights			
Weight, approx.	96 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
Approvals / Certificates			
General Product Approval			



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