

## Data sheet

## 6ES7153-4AA01-0XB0



Figure similar

\*\*\* spare part \*\*\* SIMATIC DP, connection ET 200M IM 153-4 PN IO for max. 12 S7-300 modules, extended functions: isochronous real time communication class 1 and 2, module exchange without PG, operation without MMC, maintenance support of new IO modules

General information	
Product type designation	IM 153-4 PN ST
Vendor identification (VendorID)	002AH
Device identifier (DeviceID)	0302H
Supply voltage	
Rated value (DC)	24 V
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
external protection for power supply lines (recommendation)	In a construction with grounded reference potential, a fuse is necessary for redundant interface modules (Recommendation: 2.5 A)
Mains buffering	
<ul style="list-style-type: none"> <li>Mains/voltage failure stored energy time</li> </ul>	5 ms
Input current	
Current consumption, max.	600 mA; with 24 V DC supply
Inrush current, typ.	4 A
$I^2t$	0.09 A <sup>2</sup> ·s
Output voltage	
Rated value (DC)	5 V
Output current	
for backplane bus (5 V DC), max.	1.5 A
Power loss	
Power loss, typ.	6 W
Address area	
Addressing volume	
<ul style="list-style-type: none"> <li>Inputs</li> <li>Outputs</li> </ul>	192 byte
Hardware configuration	
number of modules per DP device interface, max.	12
Protocols	
Bus protocol/transmission protocol	PROFINET IO
Protocols (Ethernet)	
<ul style="list-style-type: none"> <li>TCP/IP</li> </ul>	No
Redundancy mode	
<ul style="list-style-type: none"> <li>PROFINET system redundancy (S2)</li> </ul>	No
Media redundancy	
— MRP	Yes
Interrupts/diagnostics/status information	
Diagnostics indication LED	

- LINK LED Yes; green LED
- RX/TX LED Yes; Yellow LED
- for module diagnostics Yes

**Potential separation**

Potential separation exists Yes

**Isolation**

Isolation tested with 500 V DC

**Degree and class of protection**

IP degree of protection IP20

**Ambient conditions**

Ambient temperature during operation

- min. 0 °C
- max. 60 °C

Altitude during operation relating to sea level

- Installation altitude above sea level, max. 2 000 m

**Dimensions**

Width 40 mm  
 Height 125 mm  
 Depth 118 mm

**Weights**

Weight, approx. 215 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**



[Miscellaneous](#)

[Manufacturer Declaration](#)



**General Product Approval**

EMV

For use in hazardous locations



**For use in hazardous locations**

[EM](#)



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Maritime application



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Maritime application

Industrial Communication

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