

*** SPARE PART*** SIMATIC DP, ET 200M INTERFACE IM 153-2
FO HIGH FEATURE FOR MAX. 8 S7-300 MODULES, WITH
REDUNDANCY, W. INTEGR. FO INTERFACE FOR CONFIGURING
AN OPTICAL LINE



Figure similar

General information	
Vendor identification (VendorID)	8071h
Supply voltage	
Rated value (DC)	Yes
• 24 V DC	
permissible range, lower limit (DC)	20.4 V
permissible range, upper limit (DC)	28.8 V
permissible range (ripple included), lower limit (DC)	20.4 V
permissible range (ripple included), upper limit (DC)	28.8 V
external protection for power supply lines (recommendation)	not necessary
Mains buffering	
• Mains/voltage failure stored energy time	5 ms
Input current	
Current consumption, max.	500 mA; at 24 V DC
Inrush current, typ.	3.5 A
I ² t	0.1 A ² ·s

Output voltage	
Rated value (DC)	5 V
Output current	
for backplane bus (5 V DC), max.	1 A
Power loss	
Power loss, typ.	4.5 W
Address area	
Addressing volume	
• Inputs	128 byte
• Outputs	128 byte
Hardware configuration	
Number of modules per DP slave interface, max.	8
Time stamping	
Accuracy	10 ms; 10 ms / 3 ms
Number of message buffers	15
Messages per message buffer	20
Number of stampable digital inputs, max.	128
Time format	RFC 1119 Internet (ISP)
Time resolution	1 ms
Time interval for transmitting the message buffer if a message is present	1 000 ms
Time stamp on signal change	rising / falling edge as signal entering or exiting
Interfaces	
Interface physics, RS 485	No
Interface physics, FOC	Yes
PROFIBUS DP	
• Node addresses	1 to 125 permitted
• automatic detection of transmission rate	Yes
• Transmission rate, max.	12 Mbit/s; 9,6 / 19,2 / 45,45 / 93,75 / 187,5 / 500 kbit/s; 1,5 / 12 Mbit/s
• Transmission procedure	FOC, wavelength 660 nm
• SYNC capability	Yes
• FREEZE capability	Yes
• Direct data exchange (slave-to-slave communication)	Yes; Sender
• Connector type	Optical, 2 x duplex sockets
1. Interface	
DP slave	
• GSD file	(for DPV1) SIEM8071.GSD; SI018071.GSG (for IM 153-2AB0x); SI028071.GSG (for IM 153-2BB0x)

• automatic baud rate search Yes

Protocols

Bus protocol/transmission protocol PROFIBUS DP to EN 50170

Isolation

Isolation tested with Isolation voltage 500 V

Degree and class of protection

Degree of protection acc. to EN 60529

• IP20 Yes

Ambient conditions

Ambient temperature during operation

• min. 0 °C
• max. 60 °C

Air pressure acc. to IEC 60068-2-13

• Installation altitude above sea level, max. 3 000 m

Configuration

Configuration software

• STEP 7 Yes; STEP 7 / COM PROFIBUS / non-Siemens tools via GSD file

Dimensions

Width 40 mm

Height 125 mm

Depth 117 mm

Weights

Weight, approx. 360 g

last modified: 03/13/2017