

SIMATIC ET 200IS IM151-2

Product Data Sheet

6ES7151-2AA00-0AB0

Intrinsically safe PROFIBUS interface module

PROFIBUS TRANSMISSION RATES	BUS PROTOCOL	PHYSICAL BUS INTERFACE	PERMITTED PROFIBUS ADDRESSES
9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 kbps / 1.5 Mbps	PROFIBUS DP Ex i	Intrinsically safe RS485	1 to 125

Siemens 6ES7151-2AA00-0AB0 is the IM151-2 interface module for SIMATIC ET 200iS distributed process I/O. It connects an approved intrinsically safe station to a compatible PROFIBUS DP network.

01

VERIFIED TECHNICAL DATA

PROFIBUS transmission rates	9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 kbps / 1.5 Mbps
Bus protocol	PROFIBUS DP Ex i
Physical bus interface	Intrinsically safe RS485
Permitted PROFIBUS addresses	1 to 125
PROFIBUS vendor identifier	806EH
Time-stamp accuracy class	10 ms
Time-stamp resolution	1 ms
Maximum time-stamped digital inputs	128
Message-buffer capacity	15 buffers x 20 messages
Pending-buffer transmission interval	1 s

ADDITIONAL PRODUCT DATA

Isolation test voltage	500 V DC
Typical module power loss	0.5 W
Time-of-day format	RFC 1119
ATEX certification	PTB 01 ATEX 2122
ATEX marking	II 2 G EEx ib IIB/IIC T4

DOCUMENTED USE SETTINGS

Chemical Production and Industrial Process Manufacturing: Industrial Chemical Production.

Oil Production and Natural Gas Processing: Oil Production and Refining.

Pharmaceutical Manufacturing and Industrial Process Production: Pharmaceutical Ingredient Production.

SYSTEM COMPATIBILITY

6ES7151-2AA00-0AB0 belongs to the SIMATIC ET 200iS IM151-2 family and provides the documented intrinsically safe profibus interface module function. Its profibus transmission rates is 9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 kbps / 1.5 Mbps; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200iS IM151-2 manufacturer documentation; applicable pages 189, 190, 191, 385, 386, 387, 388

AMIKON PRODUCT SUPPORT

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