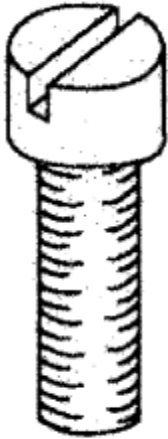


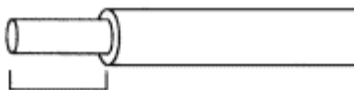
## IBS RT 24 DI 16-T



16 inputs, 24 V DC, 3-wire connection



M 3



8

Design width 125 **A V**

(IEC)	rigid	flexible	I	U	
[mm <sup>2</sup> ]	solid	stranded	AWG	[A]	[VAC]

Connection data

SMSTB	0.2-2.5	0.2-2.5	24-12	12	250
FK-MSTBP	0.2-1.5	0.2-1.5	24-14	12	250

Description	Type	Order No.	Pcs.	Pkt.
<b>Digital input module,</b> protection type IP 20, without connector set	<b>IBS RT 24 DI 16-T</b>	<b>27 53 59 1</b>		1
<b>Accessories</b>				
<b>COMBICON connector set,</b>				
- with screw-clamp connection	<b>IBS RT PLSET SMSTB</b>	<b>18 50 43 7</b>		1
- with spring-clamp connection	<b>IBS RT PLSET FK-MSTBP</b>	<b>18 50 42 4</b>		1
<b>Replacement labeling tag,</b>	<b>IBS RT LABEL DI</b>	<b>27 21 84 0</b>		10

**Technical data****Interfaces**

INTERBUS remote bus (incoming/outgoing) 9-pos. D-SUB

**Power supply**

Power supply voltage

- Nominal value 24 V DC
- Ripple 2.4 V<sub>pp</sub>
- Allowable range 20 to 30 V DC (including ripple)

Current consumption 100 mA

**Electrical isolation**

Incoming remote bus/outgoing remote bus 500 V AC test voltage

Module electronics/inputs 500 V AC test voltage

Among the channel groups 500 V AC test voltage

**INTERBUS data**

Max. distance to the next remote bus device 400 m

**Local diagnostics**

Operating voltage display (ready) LED green

Power supply each group LED green

Remote bus active (BA) LED green

Remote bus connection OK (RD) LED red

Remote bus disabled (RC) LED green

Status indicator each input LED green

**Inputs**

Number of inputs 16

Number of input groups 2

Connection method 3-wire (optionally 4-wire)

Input current per channel 6 mA at 24 V DC

Input wiring IEC 1131-2 Type 1 (not for 2-wire proximity switches)

Allowable input voltage for

- Nominal value 24 V DC
- "1" signal + 15 to + 30 V DC
- "0" signal – 30 to + 5 V DC

Delay at signal change

- from "0" to "1" typ. 3 ms
- from "1" to "0" typ. 3 ms

**General data**

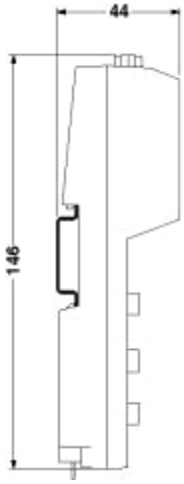
Degree of protection IP 20

Power dissipation 3.5 W

Weight 240 g

Conversion to fiber optic yes, OPTOSUB-PLUS ..

**Dimensional drawing**



Courtesy of Steven Engineering, Inc. • 230 Ryan Way, South San Francisco, CA, 94080-6370 • Main Office: (650) 588-9200 • Outside Local Area: (800) 258-9200 • www.stevenengineering.com