

Network and Wireless Solutions

Network technology Ethernet terminal



for Zone 1

8187/10-0 Art. No. 277549



- For use in Zone 1 and Zone 2
- In type of protection Ex eb
- Easy connection thanks to spring clamp terminals
- Data rate up to 1000 Mbit/s
- Suitable for Power over Ethernet (PoE)

MY R. STAHL 8187A



This terminal is designed for connection of Ethernet cables in hazardous areas. The connection technology commonly used for data transmission such as RJ45 plug connector can be used directly only in the safe area, while the Ethernet terminal with type of protection Ex eb allows for the economical use in Ex enclosures and simple mounting.

Technical Data

Explosion Protection

Application range (zones)	1, 2
IECEX gas certificate	IECEX IBE 12.0029 U
IECEX gas explosion protection	Ex eb IIC Gb
ATEX gas certificate	IBExU 12 ATEX 1085 U
ATEX gas explosion protection	Ex II 2 G Ex eb IIC Gb
Certificates	ATEX (IBE), Brazil (ULB), China (CQST), IECEX (IBE)
Declaration of conformity	Certificate of conformity (ATEX), China (CCC)

Electrical Data

Transfer rate	10/100/1000 BaseT
DC rated operational voltage	60 V
Rated operational current	0.5 A
Power over Ethernet	Yes

Ambient Conditions

Ambient temperature °C	-40°C ... +75°C
Ambient temperature °F	-40°F ... +167°F
Storage temperature °C	-40°C ... +80°C
Max. operating altitude	< 2000 m
Max. relative humidity	95% (without condensation)

Mechanical Data

Degree of protection (IP) (IEC 60529)	IP20
Module enclosure	Polyester
Solid connection cross section	0.2 – 2.5 mm ²
Connection cross-section AWG single stranded	24 – 14
Finely stranded connection cross section	0.2 – 1.5 mm ²
Finely stranded connection cross-section AWG	24 – 16

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Mechanical Data



Stripping length	7 mm
Width	57 mm
Height	51 mm
Length	112 mm
Weight	175 g
Weight	0.39 lb

Mounting / Installation

Mounting type	On NS 35 DIN rail (DIN EN 60715)
Mounting orientation	Horizontal Vertical

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

Accessories

Ex e enclosure with Ethernet terminal	Art. No.
 8146/5041+ 8187 (1 x Ethernet terminal) Polyester resin, Glass fibre reinforced	257033
 8150/5-0176-0116-091-3311+ 8187 (1 x Ethernet terminal) Stainless steel 1.4404, (AISI 316L), brush finished	241703

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.