

# Network technology

## Network technology Ethernet terminal

For Zone 1

8187/10-0 Art. No. 277549

STAHL



- For use in Zones 1 and 2
- With Ex eb type of protection
- Easy connection thanks to spring clamp terminals
- Data rate up to 1000 Mbps
- Suitable for Power over Ethernet (PoE)

MY R. STAHL 8187A



This terminal is designed to connect Ethernet cables in hazardous areas. The connection technology that is standard for data transmission, such as RJ45 plug connectors, can only be used directly in safe areas, while the Ethernet terminal with Ex eb type of protection makes cost-effective use possible in Ex enclosures with easy 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
Rated operational voltage DC	60 V
Rated operational current	0.5 A
Power over Ethernet	Yes

#### Ambient Conditions

Ambient temperature	-40°C ... +75°C
Ambient temperature	-40°F ... +167°F
Storage temperature	-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	0.20-2.5 mm <sup>2</sup>
Connection cross-section AWG single stranded	24 – 14
Finely stranded connection cross section	0.20-1.5 mm <sup>2</sup>
Finely stranded connection cross-section AWG	24 – 16

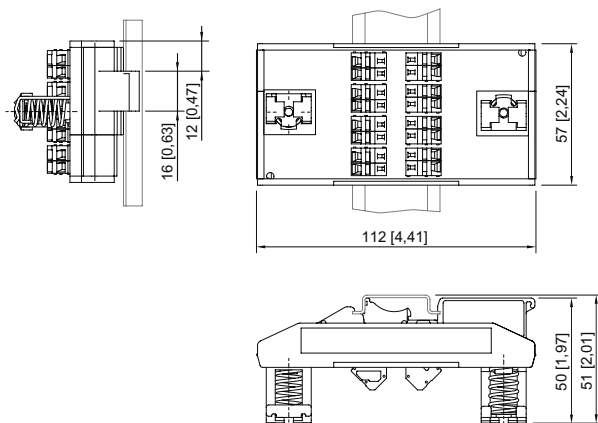
#### Mechanical Data

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.