



16 - module

870-CA-16

- ◆ mountings for up to 16 I/O modules
- ◆ prepared for redundant system power and communication
- ◆ up to 4 terminals per channel
- ◆ preselection of fieldbus address
- ◆ prepared for certified field housing
- ◆ mounting in Zone 1 or Zone 2 possible

MODULE SPECIFICATION

See also System Specification

FIELD TERMINALS

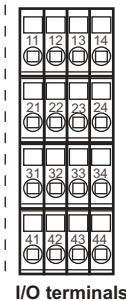
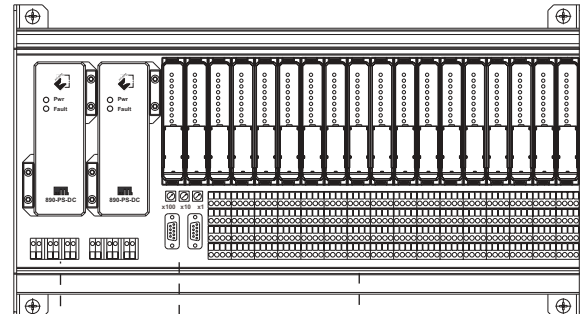
Rated supply voltage (PS)19.2 to 33 V DC
 System power terminals EEx e
 Rated terminal cross section0.5mm² to 2.5 mm²
 Fieldbus connectorSUB D, 9 pins
 Bus address1...126 (switch)
 I/O TerminalsEEx i (blue)
 Rated terminal cross section0.08 mm² to 2.5 mm²
 ConnectionSpring loaded

EXPLOSION PROTECTION

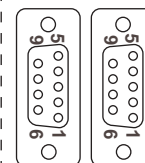
Certificate numberPTB01ATEX2138U
 Ex-protection for:
 - Power supplyII 2 G EEx m [ib] e IIC T4
 - Bus Interface ModuleII 2 G EEx ib IIC T4
 - I/O modulesII 2 (1) G EEx ib [ia] IIC T4
 - Node Services CarrierII 2 (1) G EEx e ib [ia] IIC

GENERAL DATA

Type of protection
 - I/O TerminalsIP 20
 - System power terminalsIP 30
 Protection class EN 61010
 Explosion protectionEN 50020, EN 50019
 Mounting in a junction boxZone 1
 Required protection degreeIP 54 or better
 External dimensions (W x H x D)498 x 274 x 134 mm
 Weight3 kg

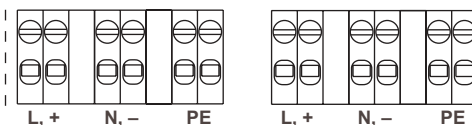


I/O terminals



Fieldbus connector

PROFIBUS
 8 A-Line
 3 B-Line
 5 GND
 6 +5V



System power terminals



Node Services Carrier



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