

## 4 Technical data

### General data

## 4 Technical data

### 4.1 General data

Area	Values
Order designation	EMF2133IB
PNO ID number	2133 <sub>hex</sub>
Communication profile (DIN 19245 Part 1 and Part 3)	<ul style="list-style-type: none"><li>● PROFIBUS-DP-V0</li><li>● PROFIBUS-DP-V1</li></ul>
Communication medium	RS485
Interface	9-pin Sub-D socket
Drive profile	<ul style="list-style-type: none"><li>● DRIVECOM profile "drive technology 20" (can be switched off)</li><li>● PROFIdrive profile (can be switched off, state machine and PROFIdrive parameter data channel)</li></ul>
Network topology	<ul style="list-style-type: none"><li>● without repeaters: Line</li><li>● with repeaters: Line or tree</li></ul>
PROFIBUS nodes	Slave
Baud rate [kbps]	9.6 ... 12000 (automatic detection)
Process data words	1 ... 12 words (16 bits/word)
DP user data length	1 ... 12 process data words + 4 parameter data words
Max. number of stations	<ul style="list-style-type: none"><li>● Standard: 32 (= 1 bus segment)</li><li>● with repeater: 125</li></ul>
Max. cable length per bus segment	1200 m (depending on the baud rate and cable type used)
External DC voltage supply	V = +24 V DC ±10 % I = 120 mA



#### Documentation for Lenze series of devices 8200 vector, 9300 and ECS

Here you can find the **ambient conditions** and the **electromagnetic compatibility (EMC)** specifications applying to the communication module.