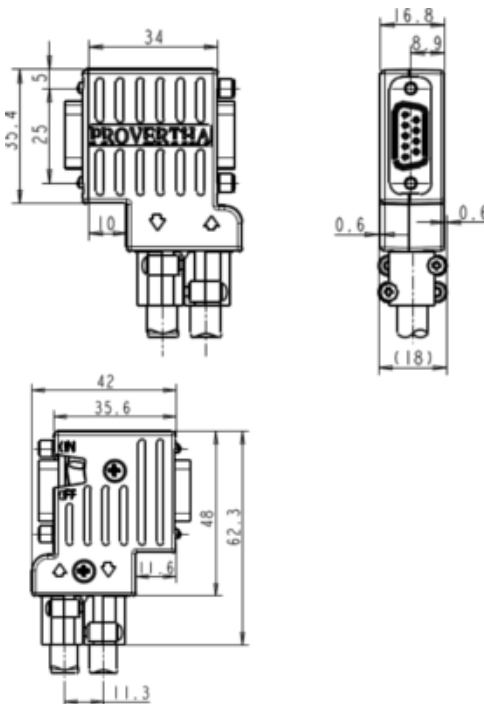
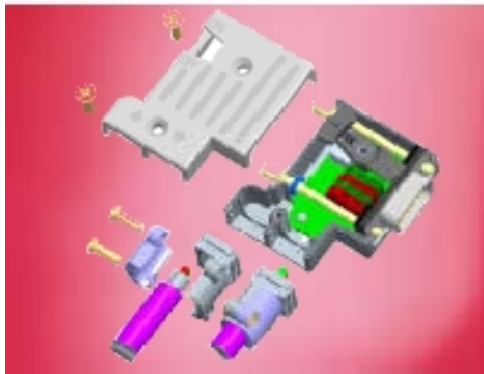
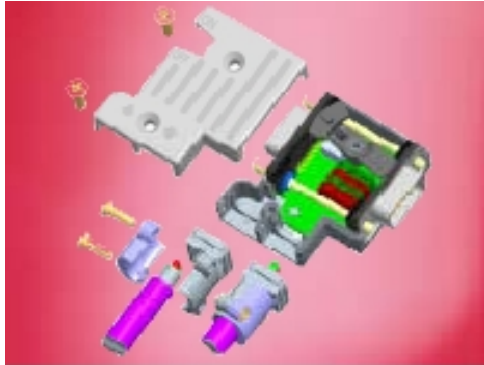


I-Net Bus Connectors

I-Net Bus Connectors Compact External cable clamp connection



Compact PROFIBUS bus connectors external cable clamp

The simple and reliable connection and the for the fault-free EMC compliant data transfer secure the bus connectors with external cable clamp, which ensures secure strain relief and shield connection of the Profibus cable. The very compact dimensions allow the application in nearly all installation conditions, especially in limited assembly space applications.

Technical features

- Compact dimensions for constricted assembly conditions
- Cable connection: 90° to D-Sub mating interface
- Effective 360° EMI/RFI shielding achieved by special full metal hood and solid cable clamp
- Entirely shielded zinc die-cast housing for EMC/RFI-proofness with special shielding geometry of the housing
- Fault-free PROFIBUS connection achieved by colored cage clamp terminals for each individual Profibus wire
- Vibration-proof, quick and easy by means of a cage clamp terminal
- Flexibility for the outer cable diameter achieved by cable clamps for various cable diameters, e.g. drag chain cables
- Switch can be operated externally to activate the bus termination
- Switch ON/OFF position visible from front side
- Programming/diagnosis option with 2nd D-Sub
- Locking: Knurled screw UNC 4-40
- 100% tested bus connectors for high functional reliability

System specific features

- Approved function and security for the maximum number of 40 PROFIBUS participants with Provertha I-Net bus connectors at 12 Mbit/s
- Only minimum signal impact and signal modification, when the bus connector is connected
- The I-Net bus connector PROFIBUS is adjusted for PROFIBUS DP and thereby prevents reflections
- The influence of problematic bus components will be mostly compensated
- The I-Net bus connector PROFIBUS allow to realize a self-contained symmetrical PROFIBUS system and improves the interference resistance and reliability

Technical data

- Data rate: 12 Mbit/s
- Connector pin layout:
- Profibus DP Interface:
- Profibus DP PG Interface:
- PROFIBUS cable interface:
- Bus termination:
- Mechanical lifetime: 200 Mating cycles
- Temperature range: -20 °C up to +70 °C
- Permissible humidity:
- Degree of protection: IP 30
- Housing material: Zn alloy
- D-Sub locking screw: UNC 4-40
- Cable diameter in mm: 4-14mm
- Wire size: 0,08 - 0,5 mm² (AWG 28 - AWG 14)
- Dimensions in mm: 62,3 x 42 x 16,8

Item number	PG-Version (2nd D-Sub)	Bus-Interface D-Sub	Cable connection Cable clamp	Cable exit	Switch operation
40-1391142	40-1392142	9P	external	90°	external