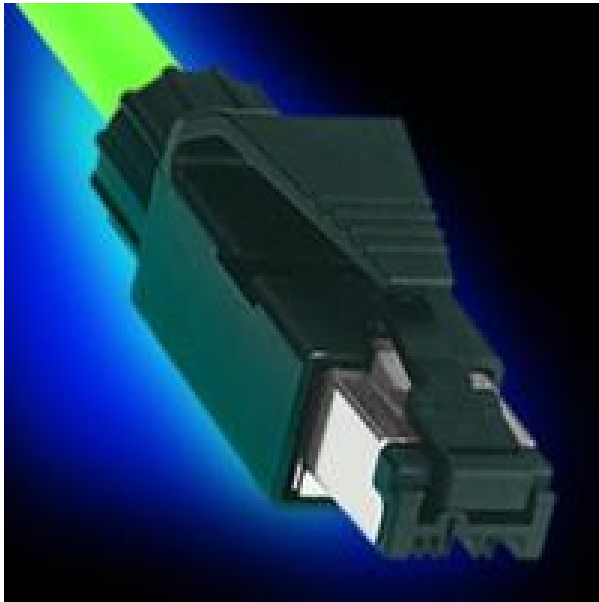


Ethernet RJ Industrial[®] IP 20 Data Connector



HARTING, Inc
of
North America



Field wiring Ethernet RJ 45 connectors is difficult and requires a large crimp tool. The new HARTING RJ Industrial IP 20 Data connector makes field wiring an RJ 45 Ethernet connector a snap! No special tools are required to assemble this category 5e rated IDC (Insulation Displacement Contact) connector to 4-conductor shielded twisted pair cables. The connector has a very small footprint for maximum installation density and is compatible with standard RJ 45 jacks.

The RJ Industrial IP 20 Data Connector can be used anywhere a rugged, field assembled Ethernet connector is needed.

Technical Characteristics

Transmission properties in accordance with Category 5 ISO/IEC 11 801:2002 EN 50173-1, and TIA/EIA Category 5e Ethernet.

Protection Level: IP 20	Temperature Range: -40°C . . +70°C / -40°F . . +158°F
Mating Interface: RJ 45 in accordance with IEC 60603-7	Cable Sheath Diameter: 6.5 mm – 6.9 mm (.26 - .27 inch)
Wire Gauge Data: AWG 22 – 24 stranded AWG 22 – 23 solid	Mating Cycles: Min. 750
	Housing Material: Thermoplastic, black

Identification	Part Numbers	Drawing	Dimensions in mm
<p>Connector set Includes Housing, Strain Relief, and Instruction Sheet</p>	<p>09 45 151 1100</p>	<p>Side view dimensions: 8.1 mm (.32 inch) from mating face to contact N°1 52.6 mm (2.07 inch) total length 13.86 mm (.55 inch) from mating face to contact N°6</p> <p>Front view dimensions: 11.6 mm (.46 inch) width Contact labels: contact N°1, contact N°2, contact N°3, contact N°6</p>	

RJ Industrial® IP 20 Assembly Instructions

Reliable termination and assembly of an Ethernet cable to the HARTING RJ Industrial connector is fast and easy:

1. Push the housing complete with strain relief over the cable outer insulation.
2. Strip the correct length of outer insulation and shielding braid.
3. Match the wire colors to the splice piece.
4. Insert the wires into the splice piece to the required depth.
5. Place the splice piece on the RJ 45 data module and engage it.
6. Place the data module and the splice piece into the supplied IDC assembly tool.
7. Press the data module and the IDC assembly tool together to make the insulation displacement contact.
8. Remove the assembled data module from the IDC assembly tool.
9. Put on the upper screen plate, and push it over the cable screen.
10. Put the lower screen plate in place and latch it to the upper screen plate with an audible "click".
11. Push the housing over the assembled data module; latching it into place with an audible "click".
12. Tighten the strain relief.

