## 3M<sup>™</sup> Power Clamp Wiremount Socket

3 mm, IDC, 5 Position 355 Series



- Easy, labor saving, and reliable IDC termination
- Easy field termination with no special tooling or wire preparation no stripping or tinning
- Semi-Transparent color-coded covers for wire inspection and wire retention
- CC-Link Communication Interconnect Standard
- One-Touch latching mechanism maintains a reliable interconnection in demanding field applications and requires only one hand to easily mate and unmate
- Polarization ensures proper interconnecting of mated pairs
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3Mconnector.com for compliance information (RIA E1 & C1 apply).

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### **Physical**

**Insulation:** 

Body Material: Nylon

Cover Material: Polycarbonate

Flammability: UL 94V-0

Body Color: Black

Cover Color: Clear, Yellow, Blue, Red

**Contact:** 

Material: Copper Alloy

**Plating:** 

Underplating: 2.5 µm Ni minimum

Wiping Area: 0.5 µm Au minimum

IDC Termination Area: 2.5 µm Ni minimum

Wire Accommodation: 18 & 20 AWG: PVC, TFE, Foamed PE insulation with solid or 7 - 19 stranded Tinned or

Silver Cu.

MIL-W- 16878/5 EE, MIL-W- 16878/4 E, MIL-W- 16878/1, MIL-W- 16878/2 C

CC-Link Ver 1.10 Cables

Contact 3M for additional wire accommodations

Mating Compatability: 356, 357, 358 Series (with same polarizations)

#### **Electrical**

Current Rating: 18 AWG: 10A (1 contact); 7A (2 - 5 contacts)

20 AWG: 9A (1 contact); 6A (2 - 5 contacts)

Rating Conditions: 30° C maximum temperature rise

Voltage Rating: 250 V

**Insulation Resistance:**  $10^3 \text{ M}\Omega \text{ min. at } 600 \text{ V}_{DC}$ **Withstanding Voltage:**  $1,000 \text{ V}_{RMS}$  for 1 minute

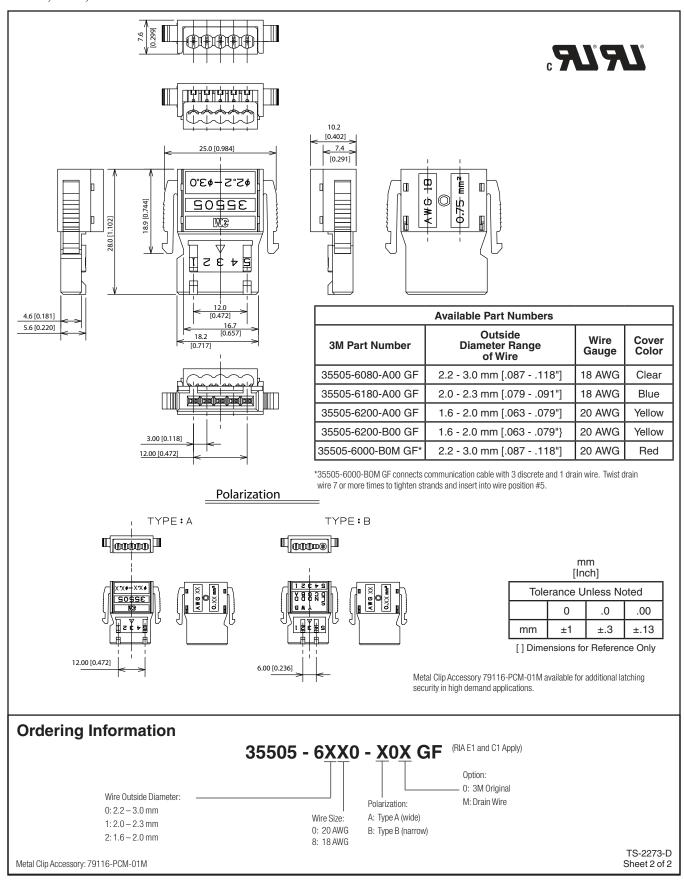
#### **Environmental**

**Temperature Rating:** -20°C to +75°C ambient

**UL Rating:** 65°C

UL File No.: E68080

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