

3M™ Power Clamp Wiremount Plug

3 mm, IDC, Wiremount, Panel Mount option

358 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
- Integrated Dust Cover also provides secure locking mechanism when mated to Wiremount Socket
- Polarization ensures proper interconnecting of mated pairs
- Quick Insertion Panel Mount option
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the "RoHS compliance" section of www.3M.com/interconnects for compliance information (RIA E1 & C1 apply).

Date Modified: December 20, 2009

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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 Au minimum

Wire Accomodation: 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: 355, 35T Series, 35715-L010 (with same polarization)

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: 10³ MΩ min. at 600 V_{DC}

Withstanding Voltage: 1,000 V_{RMS} for 1 minute

Environmental

Temperature Rating: -20°C to +75°C ambient
UL Rating: 65° C

UL File No: E68080

3M

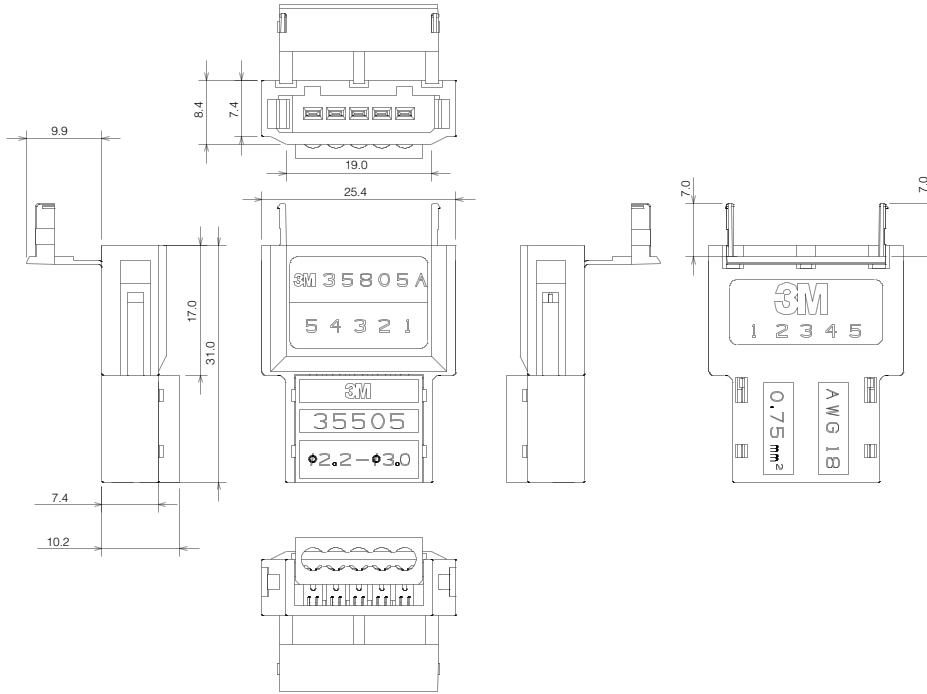
Electronic Solutions Division
Interconnect Solutions
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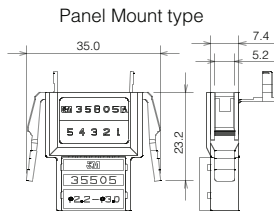
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mm
[Inch]

| Tolerance Unless Noted | | | |
|------------------------|----|-----|------|
| | 0 | .0 | .00 |
| mm | ±1 | ±.3 | ±.13 |

[] Dimensions for Reference Only



| Available Part Numbers | | | | |
|------------------------|--------------------------------|------------|-------------|-------------|
| 3M Part Number | Outside Diameter Range of Wire | Wire Gauge | Cover Color | Panel Mount |
| 35805-6080-A00 GF | 2.2 - 3.0 mm | 18 AWG | Clear | No |
| 35805-6080-AP0 GF | 2.2 - 3.0 mm | 18 AWG | Clear | Yes |
| 35805-6180-A00 GF | 2.0 - 2.3 mm | 18 AWG | Blue | No |
| 35805-6180-AP0 GF | 2.0 - 2.3 mm | 18 AWG | Blue | Yes |
| 35805-6200-A00 GF | 1.6 - 2.0 mm | 20 AWG | Yellow | No |
| 35805-6200-AP0 GF | 1.6 - 2.0 mm | 20 AWG | Yellow | Yes |
| 35805-6000-B0M GF* | 2.2 - 3.0 mm | 20 AWG | Red | No |
| 35805-6000-BPM GF* | 2.2 - 3.0 mm | 20 AWG | Red | Yes |

* 35805-6000-BXM GF connects communication cable with 3 discrete and 1 drain wire. Twist drain wire 7 or more times to tighten strands and insert into wire position #5.

Ordering Information

35805 - 6XX0 - XXX - GF (RIA E1 and C1 Apply)

Wire Outside Diameter:

- 0: 2.2 - 3.0 mm
- 1: 2.0 - 2.3 mm
- 2: 1.6 - 2.0 mm

Wire Size:

- 0: 20 AWG
- 8: 18 AWG

Polarizing Key:

- A: Type A (wide)
- B: Type B (narrow)

Option:

- 0: 3M Original
- M: Drain Wire

Mounting Type:

- 0: Standard
- P: Panel Mount

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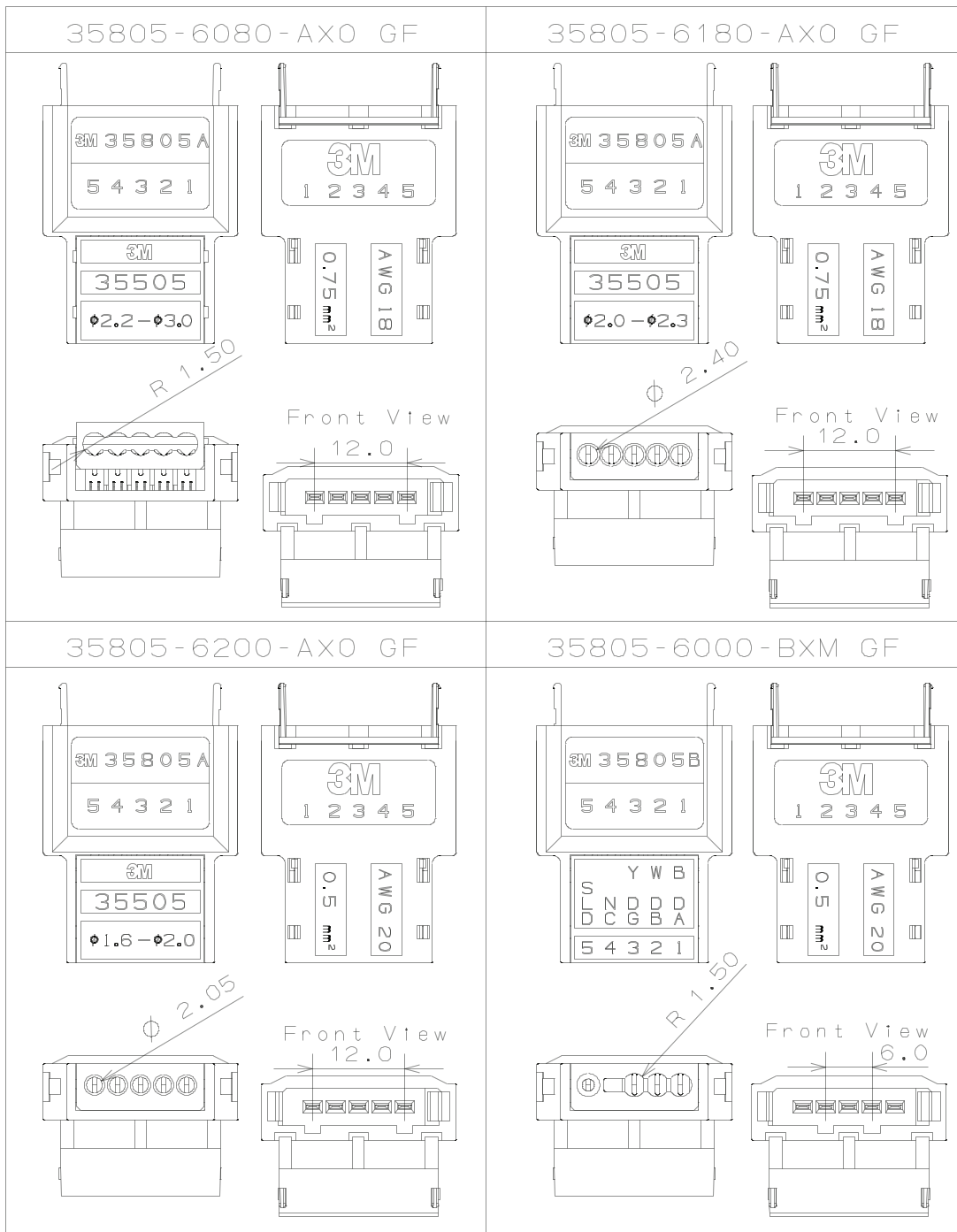
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