

3M™ 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).

Date Modified: September 15, 2010

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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 Compatibility: 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: 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

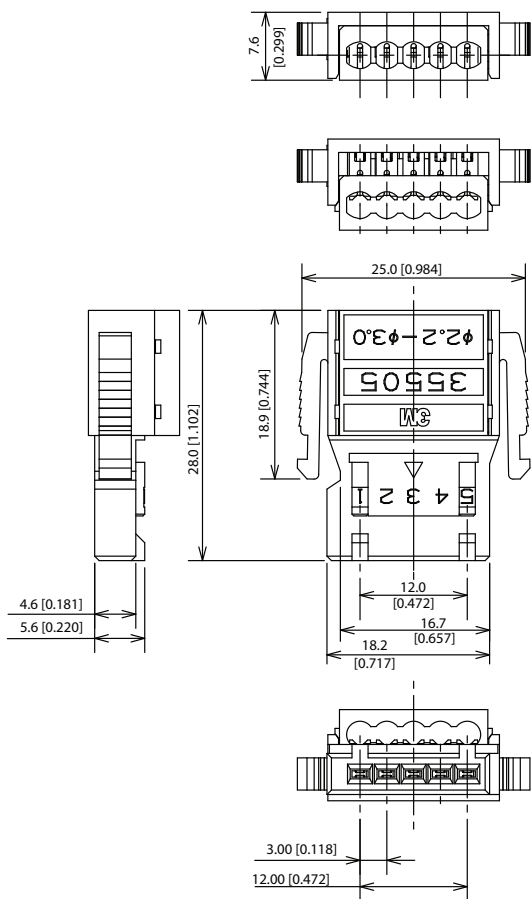
UL Rating: 65°C

UL File No.: E68080

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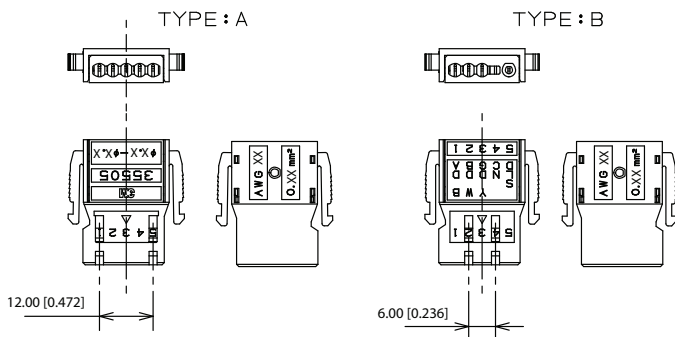
355 Series



| Available Part Numbers | | | |
|------------------------|--------------------------------|------------|-------------|
| 3M Part Number | Outside Diameter Range of Wire | Wire Gauge | Cover Color |
| 35505-6080-A00 GF | 2.2 - 3.0 mm [.087 - .118"] | 18 AWG | Clear |
| 35505-6180-A00 GF | 2.0 - 2.3 mm [.079 - .091"] | 18 AWG | Blue |
| 35505-6200-A00 GF | 1.6 - 2.0 mm [.063 - .079"] | 20 AWG | Yellow |
| 35505-6200-B00 GF | 1.6 - 2.0 mm [.063 - .079"] | 20 AWG | Yellow |
| 35505-6000-B0M GF* | 2.2 - 3.0 mm [.087 - .118"] | 20 AWG | Red |

*35505-6000-B0M 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.

Polarization



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

[] Dimensions for Reference Only

Metal Clip Accessory 79116-PCM-01M available for additional latching security in high demand applications.

Ordering Information

35505 - 6XX0 - X0X 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

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

Option:
 0: 3M Original
 M: Drain Wire

Metal Clip Accessory: 79116-PCM-01M

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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