M12 CATALOGUE



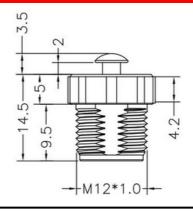


M12 MALE PLASTIC WATERPROOF CAP

PRODUCT PHOTO

SCALE DRAWING





PART NUMBER

12CAP003

| Standards/regulations | IEC 61076-2-101 |
|--------------------------|-------------------|
| Degree of protection | IP67, IP68, IP69K |
| Screw material | Nylon |
| Customs tariff number | 8538900000 |
| Environmental compliance | RoHs, Reach |

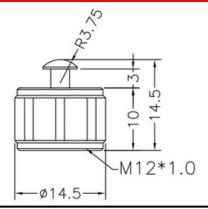


M12 FEMALE PLASTIC WATERPROOF CAP

PRODUCT PHOTO

SCALE DRAWING





PART NUMBER

12CAP004

| Standards/regulations | IEC 61076-2-101 |
|--------------------------|-------------------|
| Degree of protection | IP67, IP68, IP69K |
| Screw material | Nylon |
| Gasket material | Fluorine ring |
| Customs tariff number | 8538900000 |
| Environmental compliance | RoHs, Reach |

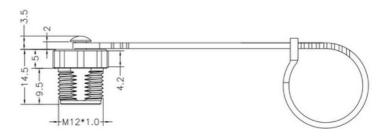


M12 MALE PLASTIC WATERPROOF CAP WITH PLASTIC CHAIN

PRODUCT PHOTO

SCALE DRAWING





PART NUMBER

12CAP020

| Standards/regulations | IEC 61076-2-101 |
|--------------------------|-------------------|
| Degree of protection | IP67, IP68, IP69K |
| Screw material | Nylon |
| Chain | Nylon |
| Customs tariff number | 8538900000 |
| Environmental compliance | RoHs, Reach |

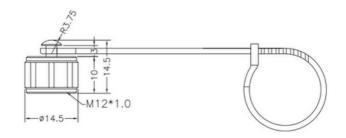


M12 MALE PLASTIC WATERPROOF CAP WITH PLASTIC CHAIN

PRODUCT PHOTO

SCALE DRAWING





PART NUMBER

12CAP021

| Standards/regulations | IEC 61076-2-101 |
|--------------------------|-------------------|
| Degree of protection | IP67, IP68, IP69K |
| Screw material | Nylon |
| Chain | Nylon |
| Gasket material | Fluorine ring |
| Customs tariff number | 8538900000 |
| Environmental compliance | RoHs, Reach |

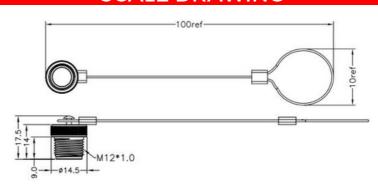


M12 MALE METAL WATERPROOF CAP WITH STAINLESS STEEL CHAIN

PRODUCT PHOTO

SCALE DRAWING





PART NUMBER

12CAP005-100

| Standards/regulations | IEC 61076-2-101 |
|--------------------------|--------------------------|
| Degree of protection | IP67, IP68, IP69K |
| Screw material | Brass with nickel plated |
| Chain | Stainless steel/ |
| Customs tariff number | 8538900000 |
| Environmental compliance | RoHs, Reach |

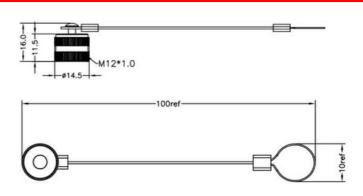


M12 FEMALE METAL WATERPROOF CAP WITH STAINLESS STEEL CHAIN

PRODUCT PHOTO

SCALE DRAWING





PART NUMBER

12CAP006-100

| Standards/regulations | IEC 61076-2-101 |
|--------------------------|--------------------------|
| Degree of protection | IP67, IP68, IP69K |
| Screw material | Brass with nickel plated |
| Chain | Stainless steel |
| Gasket material | Fluorine ring |
| Customs tariff number | 8538900000 |
| Environmental compliance | RoHs, Reach |

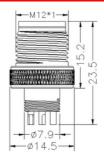


M12 A CODE MALE MOLDABLE CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins







5 pins



8 pins



12 pins



17 pins



| 3 pins | A Code | 12C098 |
|---------|--------|--------|
| 4 pins | A Code | 12C059 |
| 5 pins | A Code | 12C067 |
| 8 pins | A Code | 12C100 |
| 12 pins | A Code | 12C090 |
| 17 pins | A Code | 12C119 |

| 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|--------------------------|----------|--------|---|--|--|
| 25 | iov | 60V | 30V | | |
| | 4A | | 2A | 1.5A | 1.5A |
| | | IE | C 61076-2-101 | | |
| | | | Solder | | |
| | | | Screw | | |
| | | IP6 | 7, IP68, IP69K | | |
| 0.14mm²-0.75mm² | | | | | |
| 26AWG-18AWG | | | | | |
| >100 mating cycles | | | | | |
| | | - | 25°C~+85°C | | |
| | | | ≤ 5m Ω | | |
| | | | ≥ 100M Ω | | |
| TPU | | | | | |
| Brass with gold plated/ | | | | | |
| Brass with nickel plated | | | | | |
| 8538900000 | | | | | |
| RoHs, Reach | | | | | |
| | <u> </u> | 250V | 250V 60V 4A IEC IP6 0.14 266 >100 Brass v Brass v 8: | 250V 60V 4A 2A IEC 61076-2-101 Solder Screw IP67, IP68, IP69K 0.14mm²-0.75mm² 26AWG-18AWG >100 mating cycles -25°C~+85°C ≤5mΩ ≥100MΩ TPU Brass with gold plate Brass with nickel plate 8538900000 | 250V 60V 30V 4A 2A 1.5A IEC 61076-2-101 Solder Screw IP67, IP68, IP69K 0.14mm²-0.75mm² 26AWG-18AWG >100 mating cycles -25°C~+85°C ≤5mΩ ≥100MΩ TPU Brass with gold plated/ Brass with nickel plated 8538900000 |

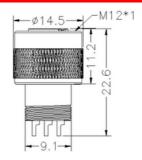


M12 A CODE FEMALE MOLDABLE CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins















PART NUMBERS

| 3 pins | A Code | 12C099 |
|---------|--------|--------|
| 4 pins | A Code | 12C060 |
| 5 pins | A Code | 12C068 |
| 8 pins | A Code | 12C101 |
| 12 pins | A Code | 12C091 |
| 17 pins | A Code | 12C12O |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|---------------------------------|------------------------------------|--------|--------|-----------------|---------|---------|
| Rated voltage | 25 | SOV | 60V | | 30V | |
| Rated current(40°C) | 4A 2A 1.5A | | | 1.5A | | |
| Standards/regulations | | | IE | C 61076-2-101 | | |
| Termination | | | | Solder | | |
| Connector locking system | | | | Screw | | |
| Degree of protection | | | IP6 | 7, IP68, IP69K | | |
| Wire gauge (mm²) | | | 0.14 | mm²-0.75mm² | 2 | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | |
| Mechanical operation | >100 mating cycles | | | | | |
| Ambient temperature (operation) | | | - | 25°C~+85°C | | |
| Contact resistance | | | | ≤5m Ω | | |
| Insulation resistance | | | | ≥ 100M Ω | | |
| Connector body material | | | | TPU | | |
| Pin material | Phosphorus copper with gold plated | | | | | |
| Screw material | Brass with nickel plated | | | | | |
| Gasket material | | | F | luorine ring/ | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | RoHs, Reach | | | | | |

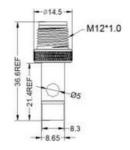


M12 A CODE MALE MOLDABLE CONNECTOR WITH SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW







5 pins



8 pins



12 pins



17 pins



| 3 pins | A Code | 12C102 |
|---------|--------|--------|
| 4 pins | A Code | 12C104 |
| 5 pins | A Code | 12C106 |
| 8 pins | A Code | 12C111 |
| 12 pins | A Code | 12C109 |
| 17 pins | A Code | 12C121 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|---------------------------------|--------------------------|--------|--------|-----------------|---------|---------|
| Rated voltage | 25 | OV | 60V | | 30V | |
| Rated current(40°C) | 4A 2A 1.5A | | | 1.5A | | |
| Standards/regulations | | | IE | C 61076-2-101 | | |
| Termination | | | | Solder | | |
| Connector locking system | | | | Screw | | |
| Degree of protection | | | IP6 | 7, IP68, IP69K | | |
| Wire gauge (mm²) | | | 0.14 | mm²-0.75mm² | 2 | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | |
| Mechanical operation | >100 mating cycles | | | | | |
| Ambient temperature (operation) | | | - | 25°C~+85°C | | |
| Contact resistance | | | | ≤ 5m Ω | | |
| Insulation resistance | | | | ≥ 100M Ω | | |
| Connector body material | | | | TPU | | |
| Pin material | Brass with gold plated | | | | | |
| Screw material | Brass with nickel plated | | | | | |
| Shielded shell material | Brass with nickel plated | | | | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | RoHs, Reach | | | | | |

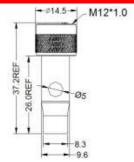


M12 A CODE FEMALE MOLDABLE CONNECTOR WITH SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins













| 3 pins | A Code | 12C103 |
|---------|--------|--------|
| 4 pins | A Code | 12C105 |
| 5 pins | A Code | 12C110 |
| 8 pins | A Code | 12C112 |
| 12 pins | A Code | 12C113 |
| 17 pins | A Code | 12C122 |

| · | | | | | | | | |
|---------------------------------|------------------------------------|--------|--------|----------------|---------|---------|--|--|
| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | | |
| Rated voltage | 250V 60V | | 60V | 30V | | | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | | |
| Standards/regulations | | | IE | C 61076-2-101 | | | | |
| Termination | | | | Solder | | | | |
| Connector locking system | | | | Screw | | | | |
| Degree of protection | | | IP6 | 7, IP68, IP69K | | | | |
| Wire gauge (mm²) | 0.14mm²-0.75mm² | | | | | | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | | | |
| Mechanical operation | >100 mating cycles | | | | | | | |
| Ambient temperature (operation) | -25°C~+85°C | | | | | | | |
| Contact resistance | ≤5 m Ω | | | | | | | |
| Insulation resistance | ≥100MΩ | | | | | | | |
| Connector body material | TPU | | | | | | | |
| Pin material | Phosphorus copper with gold plated | | | | | | | |
| Screw material | Brass with nickel plated | | | | | | | |
| Shielded shell material | Brass with nickel plated | | | | | | | |
| Gasket Material | Fluorine ring | | | | | | | |
| Customer tariff number | 8538900000 | | | | | | | |
| Environmental compliance | RoHs, Reach | | | | | | | |



M12 A CODE MALE STRAIGHT FRONT PANEL MOUNT CONNECTOR WITH SOLDER PCB CONNECTOR

PRODUCT PHOTO



PIN ASSIGNMENT FRONT VIEW

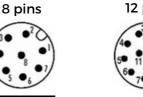
















| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12B001 | 12B021 |
| 4 pins | A Code | 12B005 | 12B025 |
| 5 pins | A Code | 12B009 | 12B029 |
| 8 pins | A Code | 12B013 | 12B033 |
| 12 pins | A Code | 12B017 | 12B037 |
| 17 pins | A Code | 12B173 | 12B177 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|---------------------------------|--------------------------|--------|------------------------|-----------------|---------|---------|
| Rated voltage | 25 | ov | 60V | 30V | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IE | C 61076-2-101 | | |
| Termination | | | | Solder PCB | | |
| Connector locking system | | | | Screw | | |
| Degree of protection | | | IP6 | 7, IP68, IP69K | | |
| Mechanical operation | | | >100 | mating cycles | 5 | |
| Ambient temperature (operation) | | | -25°C~+85°C | | | |
| Contact resistance | | | | ≤5m Ω | | |
| Insulation resistance | | | | ≥ 100M Ω | | |
| Connector body material | | | | TPU | | |
| Pin material | | | Brass with gold plated | | | |
| Nut and Shell material | Brass with nickel plated | | | ted | | |
| Casket Material | Fluorine ring | | | | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | | | F | RoHs. Reach | | |

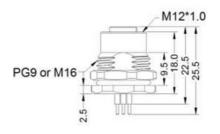


M12 A CODE FEMALE STRAIGHT FRONT PANEL MOUNT CONNECTOR WITH SOLDER PCB CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins

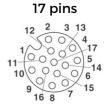












| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12B003 | 12B023 |
| 4 pins | A Code | 12B007 | 12B027 |
| 5 pins | A Code | 12B011 | 12B031 |
| 8 pins | A Code | 12B015 | 12B035 |
| 12 pins | A Code | 12B019 | 12B039 |
| 17 pins | A Code | 12B175 | 12B179 |

| · · · · · · · · · · · · · · · · · · · | | | | | | | |
|---------------------------------------|------------------------------------|--------|-------------|-----------------|---------|---------|--|
| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
| Rated voltage | 25 | 60V | 60V | 30V | | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | |
| Standards/regulations | | | IE | C 61076-2-101 | | | |
| Termination | | | | Solder PCB | | | |
| Connector locking system | Screw | | | | | | |
| Degree of protection | IP67, IP68, IP69K | | | | | | |
| Mechanical operation | | | >100 | mating cycle | S | | |
| Ambient temperature (operation) | | | -25°C~+85°C | | | | |
| Contact resistance | | | | ≤5m Ω | | | |
| Insulation resistance | | | | ≥ 100M Ω | | | |
| Connector body material | TPU | | | | | | |
| Pin material | Phosphorus copper with gold plated | | | | | | |
| Nut and Shell material | Brass with nickel plated | | | | | | |
| Casket Material | Fluorine ring | | | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | RoHs, Reach | | | | | | |

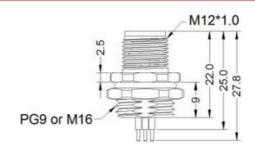


M12 A CODE MALE STRAIGHT REAR PANEL MOUNT CONNECTOR WITH SOLDER PCB CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins







5 pins



8 pins



12 pins



17 pins



| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12B002 | 12B022 |
| 4 pins | A Code | 12B006 | 12B026 |
| 5 pins | A Code | 12B010 | 12B030 |
| 8 pins | A Code | 12B014 | 12B034 |
| 12 pins | A Code | 12B018 | 12B038 |
| 17 pins | A Code | 12B174 | 12B178 |

| 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|--------------------------|--------|--------|--|---|--|--|
| 25 | OV | 60V | | 30V | | |
| | 4A | | 2A | 1.5A | 1.5A | |
| | | IE | C 61076-2-101 | | | |
| | | | Solder PCB | | | |
| | | | Screw | | | |
| IP67, IP68, IP69K | | | | | | |
| >100 mating cycles | | | | | | |
| -25°C~+85°C | | | | | | |
| ≤5 m Ω | | | | | | |
| ≥100MΩ | | | | | | |
| TPU | | | | | | |
| | | Brass | Brass with gold plated | | | |
| Brass with nickel plated | | | | | | |
| Fluorine ring | | | | | | |
| 8538900000 | | | | | | |
| | | | RoHs, Reach | | | |
| | • | 250V | 250V 60V 4A IEC IP6 >100 Brass v F 8 | 250V 60V 4A 2A IEC 61076-2-101 Solder PCB Screw IP67, IP68, IP69K >100 mating cycles -25°C~+85°C ≤5mΩ ≥100MΩ TPU Brass with gold plat Brass with nickel plat Fluorine ring | 250V 60V 30V 4A 2A 1.5A IEC 61076-2-101 Solder PCB Screw IP67, IP68, IP69K >100 mating cycles -25°C~+85°C ≤5mΩ ≥100MΩ TPU Brass with gold plated Brass with nickel plated Fluorine ring 8538900000 | |

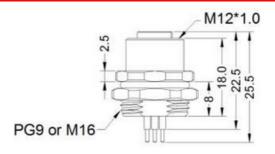


M12 A CODE FEMALE STRAIGHT REAR PANEL MOUNT CONNECTOR WITH SOLDER PCB CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins

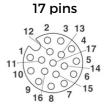












| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12B004 | 12B024 |
| 4 pins | A Code | 12B008 | 12B028 |
| 5 pins | A Code | 12B012 | 12B032 |
| 8 pins | A Code | 12B016 | 12B036 |
| 12 pins | A Code | 12B020 | 12B040 |
| 17 pins | A Code | 12B176 | 12B180 |

| 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|------------------------------------|--------|------------|--|--|--|--|
| 25 | OV | 60V | | 30V | | |
| | 4A | | 2A | 1.5A | 1.5A | |
| | | IE | C 61076-2-101 | | | |
| | | | Solder PCB | | | |
| Screw | | | | | | |
| IP67, IP68, IP69K | | | | | | |
| | | >100 | mating cycle | s | | |
| -25°C~+85°C | | | | | | |
| ≤5mΩ | | | | | | |
| ≥100MΩ | | | | | | |
| TPU | | | | | | |
| Phosphorus copper with gold plated | | | | | | |
| Brass with nickel plated | | | | | | |
| Fluorine ring | | | | | | |
| 8538900000 | | | | | | |
| RoH | | | RoHs, Reach | | | |
| | • | 250V 4A | 250V 60V 4A IEC IP6 >100 Phosphorus of Brass v F | 250V 60V 4A 2A IEC 61076-2-101 Solder PCB Screw IP67, IP68, IP69K >100 mating cycle -25°C~+85°C ≤5mΩ ≥100MΩ TPU Phosphorus copper with go Brass with nickel pla Fluorine ring | 250V 60V 30V 4A 2A 1.5A IEC 61076-2-101 Solder PCB Screw IP67, IP68, IP69K >100 mating cycles -25°C~+85°C ≤5mΩ ≥100MΩ TPU Phosphorus copper with gold plated Brass with nickel plated Fluorine ring 8538900000 | |

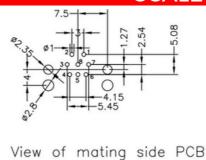


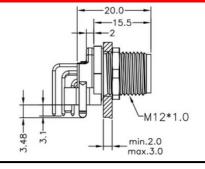
M12 A CODE MALE RIGHT ANGLE FRONT PANEL MOUNT CONNECTOR WITH SOLDER PCB CONNECTOR

PRODUCT PHOTO

SCALE DRAWING







PIN ASSIGNMENT FRONT VIEW











| 3 pins | A Code | 12B065 |
|---------|--------|--------|
| 4 pins | A Code | 12B067 |
| 5 pins | A Code | 12B069 |
| 8 pins | A Code | 12B081 |
| 12 pins | A Code | 12B073 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | |
|---------------------------------|--------------------------|--------|---------------------|--------|---------|--|
| Rated voltage | 250V | 250V | 60V | 30V | 30V | |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A | |
| Standards/regulations | | | IEC 61076-2-10 | וי י | | |
| Termination | | | Solder | | | |
| Connector locking system | | | Screw | | | |
| Degree of protection | IP67, IP68, IP69K | | | | | |
| Mechanical operation | >100 mating cycles | | | | | |
| Ambient temperature (operation) | | | -25°C~+85°C | | | |
| Contact resistance | | | ≤ 5m Ω | | | |
| Insulation resistance | | | ≥ 100M Ω | | | |
| Connector body material | | | TPU | | | |
| Pin material | | | Brass with gold pla | ited | | |
| Screw material | Brass with nickel plated | | | | | |
| Casket Material | Fluorine ring | | | | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | | | RoHs, Reach | | | |

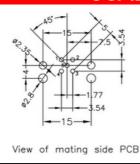


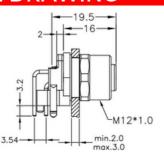
M12 A CODE FEMALE RIGHT ANGLE FRONT PANEL MOUNT CONNECTOR WITH SOLDER PCB CONNECTOR

PRODUCT PHOTO

SCALE DRAWING







PIN ASSIGNMENT FRONT VIEW

3 pins

Environmental compliance



4 pins



5 pins



8 pins



RoHs, Reach

12 pins



| 3 pins | A Code | 12B066 |
|---------|--------|--------|
| 4 pins | A Code | 12B068 |
| 5 pins | A Code | 12B070 |
| 8 pins | A Code | 12B072 |
| 12 pins | A Code | 12B074 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | |
|---------------------------------|------------------------------------|--------|-----------------|--------|---------|--|
| Rated voltage | 250V | 250V | 60V | 30V | 30V | |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A | |
| Standards/regulations | | | IEC 61076-2-10 |)1 | | |
| Termination | | | Solder | | | |
| Connector locking system | Screw | | | | | |
| Degree of protection | IP67, IP68, IP69K | | | | | |
| Mechanical operation | | | >100 mating cyc | :les | | |
| Ambient temperature (operation) | | | -25°C~+85°C | | | |
| Contact resistance | | | ≤5m Ω | | | |
| Insulation resistance | | | ≥100MΩ | | | |
| Connector body material | | | TPU | | | |
| Pin material | Phosphorus copper with gold plated | | | | | |
| Screw material | Brass with nickel plated | | | | | |
| Casket Material | Fluorine ring | | | | | |
| Customer tariff number | | | 8538900000 | | | |

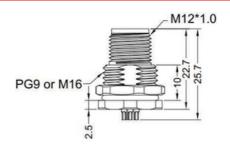


M12 A CODE MALE STRAIGHT FRONT PANEL MOUNT CONNECTOR WITH SOLDER WIRE CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins



4 pins







8 pins



12 pins



17 pins



| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12H001 | 12H021 |
| 4 pins | A Code | 12H005 | 12H025 |
| 5 pins | A Code | 12H009 | 12H029 |
| 8 pins | A Code | 12H013 | 12H033 |
| 12 pins | A Code | 12H017 | 12H037 |
| 17 pins | A Code | 12H095 | 12H099 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|---------------------------------|--------------------|--------|--------------------------|----------------|---------|---------|--|
| Rated voltage | 25 | OV | 60V | | 30V | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | |
| Standards/regulations | | | IE | C 61076-2-101 | | | |
| Termination | | | 5 | Solder Wires | | | |
| Connector locking system | | | | Screw | | | |
| Degree of protection | IP67, IP68, IP69K | | | | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Ambient temperature (operation) | -25°C~+85°C | | | | | | |
| Contact resistance | ≤5mΩ | | | | | | |
| Insulation resistance | ≥100MΩ | | | | | | |
| Connector body material | TPU | | | | | | |
| Pin material | | | Brass | with gold plat | ed | | |
| Nut and Shell material | | | Brass with nickel plated | | | | |
| Casket Material | | | Fluorine ring | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | | | RoHs, Reach | | | | |
| | | | | | | | |

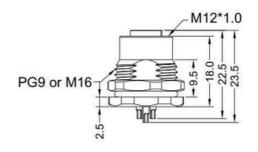


M12 A CODE FEMALE STRAIGHT FRONT PANEL MOUNT CONNECTOR WITH SOLDER WIRE CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins

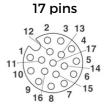








12 pins



| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12H003 | 12H023 |
| 4 pins | A Code | 12H007 | 12H027 |
| 5 pins | A Code | 12H011 | 12H031 |
| 8 pins | A Code | 12H015 | 12H035 |
| 12 pins | A Code | 12H019 | 12H039 |
| 17 pins | A Code | 12H097 | 12H101 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|---------------------------------|--------------------------|--------|---------------|----------------|------------|---------|--|
| Rated voltage | 25 | ov | 60V | | 30V | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | |
| Standards/regulations | | | IE | C 61076-2-101 | | | |
| Termination | | | 5 | Solder Wires | | | |
| Connector locking system | | | | Screw | | | |
| Degree of protection | IP67, IP68, IP69K | | | | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Ambient temperature (operation) | -25°C~+85°C | | | | | | |
| Contact resistance | ≤5mΩ | | | | | | |
| Insulation resistance | ≥100MΩ | | | | | | |
| Connector body material | TPU | | | | | | |
| Pin material | | Ph | osphorus (| copper with go | old plated | | |
| Nut and Shell material | Brass with nickel plated | | | | | | |
| Casket Material | | | Fluorine ring | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | | | RoHs, Reach | | | | |
| | | | | | | | |

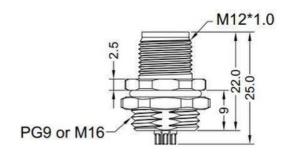


M12 A CODE MALE STRAIGHT REAR PANEL MOUNT CONNECTOR WITH SOLDER WIRE CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins



4 pins



5 pins



8 pins



12 pins



17 pins



| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12H002 | 12H022 |
| 4 pins | A Code | 12H006 | 12H026 |
| 5 pins | A Code | 12H010 | 12H030 |
| 8 pins | A Code | 12H014 | 12H034 |
| 12 pins | A Code | 12H018 | 12H038 |
| 17 pins | A Code | 12H096 | 12H100 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|--|--------------------------|--------|---------------|--|---------|---------|--|
| Rated voltage | 25 | ov | 60V | | 30V | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | |
| Standards/regulations | | | IE | C 61076-2-101 | | | |
| Termination | | | S | Solder Wires | | | |
| Connector locking system | Screw | | | | | | |
| Degree of protection | | | IP6 | 7, IP68, IP69K | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Ambient temperature (operation) | | | | -25°C~+85°C | | | |
| Contact resistance | | | | ≤5m Ω | | | |
| Insulation resistance | | | | ≥ 100M Ω | | | |
| Connector body material | | | | TPU | | | |
| Pin material | | | Brass | with gold plat | ed | | |
| Nut and Shell material | Brass with nickel plated | | | | | | |
| Gasket Material | | | Fluorine ring | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | | | F | RoHs, Reach | | | |
| Connector locking system Degree of protection Mechanical operation Ambient temperature (operation) Contact resistance Insulation resistance Connector body material Pin material Nut and Shell material Gasket Material Customer tariff number | | | Brass Brass v | Screw 17, IP68, IP69K 19 mating cycle 125°C~+85°C ≤5mΩ ≥100MΩ TPU with gold plat with nickel pla luorine ring 1538900000 | s ed | | |

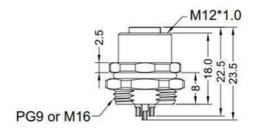


M12 A CODE FEMALE STRAIGHT REAR PANEL MOUNT CONNECTOR WITH SOLDER WIRE CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins

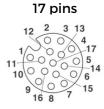












| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12H004 | 12H024 |
| 4 pins | A Code | 12H008 | 12H028 |
| 5 pins | A Code | 12H012 | 12H032 |
| 8 pins | A Code | 12H016 | 12H036 |
| 12 pins | A Code | 12H020 | 12H040 |
| 17 pins | A Code | 12H098 | 12H102 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|---------------------------------|------------------------------------|--------|--------|-----------------|---------|---------|--|
| Rated voltage | 25 | ov | 60V | 30V | | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | |
| Standards/regulations | | | IE | C 61076-2-101 | | | |
| Termination | | | S | Solder Wires | | | |
| Connector locking system | Screw | | | | | | |
| Degree of protection | | | IP6 | 7, IP68, IP69K | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Ambient temperature (operation) | | | | -25°C~+85°C | | | |
| Contact resistance | | | | ≤5m Ω | | | |
| Insulation resistance | | | | ≥ 100M Ω | | | |
| Connector body material | | | | TPU | | | |
| Pin material | Phosphorus copper with gold plated | | | | | | |
| Nut and Shell material | Brass with nickel plated | | | | | | |
| Gasket Material | | | | Fluorine ring | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | RoHs, Re | | | RoHs, Reach | | | |

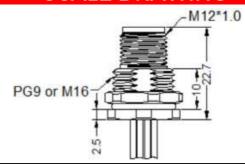


M12 A CODE MALE STRAIGHT FRONT PANEL MOUNT CONNECTOR WITH WIRE

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins



4 pins

5 pins

ins

8 pins

12 pins

17 pins











| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12D001-X | 12D021-X |
| 4 pins | A Code | 12D005-X | 12D025-X |
| 5 pins | A Code | 12D009-X | 12D029-X |
| 8 pins | A Code | 12D013-X | 12D033-X |
| 12 pins | A Code | 12D017-X | 12D037-X |
| 17 pins | A Code | 12D266-X | 12D267-X |

| 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|-------------------|--------|---------|---|---|--|
| 25 | ov | 60V | | 30V | |
| | 4A | | 2A | 1.5A | 1.5A |
| | | IE | C 61076-2-101 | | |
| | | | Solder | | |
| Screw | | | | | |
| IP67, IP68, IP69K | | | | | |
| | | 0.14 | mm²-0.75mm² | 2 | |
| 26AWG-18AWG | | | | | |
| | | >100 | mating cycles | S | |
| | | - | 40°C~+85°C | | |
| | | | ≤ 5m Ω | | |
| | | | ≥ 100M Ω | | |
| | | | TPU | | |
| | | Brass | with gold plate | ed | |
| | | Brass v | vith nickel plat | ted | |
| Fluorine ring | | | | | |
| 8538900000 | | | | | |
| | | | RoHs, Reach | | |
| | • | 250V | 250V 60V 4A IEC 1P6 0.14 26, >100 Brass v F 88 | 250V 60V 4A 2A IEC 61076-2-101 Solder Screw IP67, IP68, IP69K 0.14mm²-0.75mm² 26AWG-18AWG >100 mating cycles -40°C~+85°C ≤5mΩ ≥100MΩ TPU Brass with gold plate Brass with nickel plate Fluorine ring | 250V 60V 30V 4A 2A 1.5A IEC 61076-2-101 Solder Screw IP67, IP68, IP69K 0.14mm²-0.75mm² 26AWG-18AWG >100 mating cycles -40°C~+85°C ≤5mΩ ≥100MΩ TPU Brass with gold plated Brass with nickel plated Fluorine ring 8538900000 |

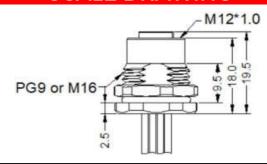


M12 A CODE FEMALE STRAIGHT FRONT PANEL MOUNT CONNECTOR WITH WIRE

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins

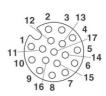
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17 pins

| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12D003-X | 12D023-X |
| 4 pins | A Code | 12D007-X | 12D027-X |
| 5 pins | A Code | 12D011-X | 12D031-X |
| 8 pins | A Code | 12D015-X | 12D035-X |
| 12 pins | A Code | 12D019-X | 12D039-X |
| 17 pins | A Code | 12D268-X | 12D270-X |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|---------------------------------|------------------------------------|--------|--------|-----------------|---------|---------|--|
| Rated voltage | 25 | 50V | 60V | | 30V | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | |
| Standards/regulations | | | IE | C 61076-2-101 | | | |
| Termination | | | | Solder | | | |
| Connector locking system | | | | Screw | | | |
| Degree of protection | | | IP6 | 7, IP68, IP69K | | | |
| Wire gauge (mm²) | | | 0.14 | mm²-0.75mm² | 2 | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Ambient temperature (operation) | -40°C~+85°C | | | | | | |
| Contact resistance | | | | ≤5m Ω | | | |
| Insulation resistance | | | | ≥ 100M Ω | | | |
| Connector body material | TPU | | | | | | |
| Pin material | Phosphorus copper with gold plated | | | | | | |
| Nut and shell material | Brass with nickel plated | | | | | | |
| Gasket Material | Fluorine ring | | | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | | | | RoHs, Reach | | | |

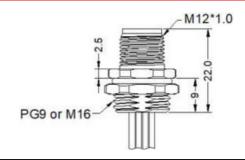


M12 A CODE MALE STRAIGHT REAR PANEL MOUNT CONNECTOR WITH WIRE

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins



4 pins







8 pins



12 pins

17 pins



| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12D002-X | 12D022-X |
| 4 pins | A Code | 12D006-X | 12D026-X |
| 5 pins | A Code | 12D010-X | 12D030-X |
| 8 pins | A Code | 12D014-X | 12D034-X |
| 12 pins | A Code | 12D018-X | 12D038-X |
| 17 pins | A Code | 12D272-X | 12D273-X |

| GENERAL INFORMATION | 3 pins | 4 pins | Enine | 8 pins | 12 pins | 17 pins |
|---------------------------------|--------------------------|--------|--------|-----------------|---------|---------|
| GENERAL INFORMATION | 3 pm3 4 pm3 | | 5 pins | o piris | 12 pins | 17 ріпз |
| Rated voltage | 25 | OV | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IE | C 61076-2-101 | | |
| Termination | | | | Solder | | |
| Connector locking system | | | | Screw | | |
| Degree of protection | IP67, IP68, IP69K | | | | | |
| Wire gauge (mm²) | 0.14mm²-0.75mm² | | | | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | |
| Mechanical operation | >100 mating cycles | | | | | |
| Ambient temperature (operation) | | | - | 40°C~+85°C | | |
| Contact resistance | | | | ≤ 5m Ω | | |
| Insulation resistance | | | | ≥ 100M Ω | | |
| Connector body material | | | | TPU | | |
| Pin material | Brass with gold plated | | | | | |
| Nut and shell material | Brass with nickel plated | | | | | |
| Gasket Material | Fluorine ring | | | | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | | | F | RoHs, Reach | | |

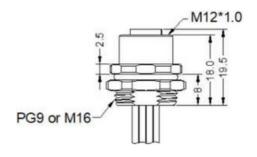


M12 A CODE FEMALE STRAIGHT REAR PANEL MOUNT CONNECTOR WITH WIRE

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins



4 pins

O'



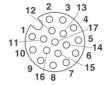
5 pins



12 pins



17 pins



| | | PG9 thread 15.3±0.1 | M16 thread 16±0.1 |
|---------|--------|---------------------|-------------------|
| 3 pins | A Code | 12D004-X | 12D024-X |
| 4 pins | A Code | 12D008-X | 12D028-X |
| 5 pins | A Code | 12D012-X | 12D032-X |
| 8 pins | A Code | 12D016-X | 12D036-X |
| 12 pins | A Code | 12D020-X | 12D040-X |
| 17 pins | A Code | 12D269-X | 12D271-X |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|---------------------------------|------------------------------------|--------|--------|-----------------|---------|---------|--|
| Rated voltage | 250V | | 60V | 30V | | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | |
| Standards/regulations | | | IE | C 61076-2-101 | | | |
| Termination | | | | Solder | | | |
| Connector locking system | | | | Screw | | | |
| Degree of protection | IP67, IP68, IP69K | | | | | | |
| Wire gauge (mm²) | | | 0.14 | mm²-0.75mm² | 2 | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Ambient temperature (operation) | -40°C~+85°C | | | | | | |
| Contact resistance | | | | ≤5m Ω | | | |
| Insulation resistance | | | | ≥ 100M Ω | | | |
| Connector body material | TPU | | | | | | |
| Pin material | Phosphorus copper with gold plated | | | | | | |
| Nut and shell material | Brass with nickel plated | | | | | | |
| Gasket Material | Fluorine ring | | | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | | | | RoHs, Reach | | | |

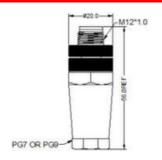


M12 A CODE MALE STRAIGHT PLASTIC ASSEMBLY CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





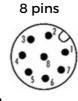
PIN ASSIGNMENT FRONT VIEW

3 pins









12 pins

| | | PG7 hole | PG9 hole |
|---------|--------|------------|------------|
| 3 pins | A Code | 12ZU01-PG7 | 12ZU01-PG9 |
| 4 pins | A Code | 12ZU03-PG7 | 12ZU03-PG9 |
| 5 pins | A Code | 12ZU05-PG7 | 12ZU05-PG9 |
| 8 pins | A Code | 12ZU07-PG7 | 12ZU07-PG9 |
| 12 pins | A Code | 12ZU65-PG7 | 12ZU65-PG9 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins |
|--|--------------------------|--------|-------------------|--------|---------|
| Rated voltage | 250V | 250V | 60V | 30V | 30V |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A |
| Standards/regulations | IEC 61076-2-101 | | | | |
| Termination | | | Screw Clam | 0 | |
| Degree of protection | | | IP67 | | |
| Wire gauge (mm²) | | | 0.14mm²-0.75r | nm² | |
| Wire gauge (AWC) | 26AWG-18AWG | | | | |
| PG7 hole suitable cable outer diameter | 4.0mm-6.0mm | | | | |
| PG9 hole suitable cable outer diameter | 6.0mm-8.0mm | | | | |
| Mechanical operation | >100 mating cycles | | | | |
| Ambient temperature (operation) | | | -25°C~+85°C | • | |
| Contact resistance | | | ≤ 5m Ω | | |
| Insulation resistance | | | ≥ 100M Ω | | |
| Connector body material | | | TPU | | |
| Pin material | | | Brass with gold p | lated | |
| Screw material | Brass with nickel plated | | | | |
| Gasket Material | Fluorine ring | | | | |
| Customer tariff number | 8538900000 | | | | |
| Environmental compliance | | | RoHs, Reach | า | |
| | | | | | |

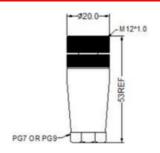


M12 A CODE FEMALE STRAIGHT PLASTIC ASSEMBLY CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins









12 pins

0 100 11

O12

| | | PG7 hole | PG9 hole |
|---------|--------|------------|------------|
| 3 pins | A Code | 12ZU02-PG7 | 12ZU02-PG9 |
| 4 pins | A Code | 12ZU04-PG7 | 12ZU04-PG9 |
| 5 pins | A Code | 12ZU06-PG7 | 12ZU06-PG9 |
| 8 pins | A Code | 12ZU08-PG7 | 12ZU08-PG9 |
| 12 pins | A Code | 12ZU66-PG7 | 12ZU66-PG9 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | | | | |
|--|------------------------------------|--------|-----------------|--------------|---------|--|--|--|--|
| Rated voltage | 250V | 250V | 60V | 30V | 30V | | | | |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A | | | | |
| Standards/regulations | | | IEC 61076-2-10 | וֹכ | | | | | |
| Termination | | | Screw Clamp |) | | | | | |
| Degree of protection | | | IP67 | | | | | | |
| Wire gauge (mm²) | | | 0.14mm²-0.75n | nm² | | | | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | | | | |
| PG7 hole suitable cable outer diameter | 4.0mm-6.0mm | | | | | | | | |
| PG9 hole suitable cable outer diameter | 6.0mm-8.0mm | | | | | | | | |
| Mechanical operation | >100 mating cycles | | | | | | | | |
| Ambient temperature (operation) | | | -25°C~+85°C | | | | | | |
| Contact resistance | | | ≤ 5m Ω | | | | | | |
| Insulation resistance | | | ≥ 100M Ω | | | | | | |
| Connector body material | | | TPU | | | | | | |
| Pin material | Phosphorus copper with gold plated | | | | | | | | |
| Screw material | Brass with nickel plated | | | | | | | | |
| Gasket Material | Fluorine ring | | | | | | | | |
| Customer tariff number | 8538900000 | | | | | | | | |
| Environmental compliance | | | RoHs, Reach | 1 | | | | | |
| | | | | | | | | | |

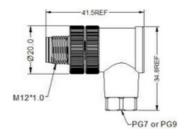


M12 A CODE MALE RIGHT ANGLE PLASTIC ASSEMBLY CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins









12 pins

| | | PG7 hole | PG9 hole |
|---------|--------|------------|------------|
| 3 pins | A Code | 12ZU21-PG7 | 12ZU21-PG9 |
| 4 pins | A Code | 12ZU23-PG7 | 12ZU23-PG9 |
| 5 pins | A Code | 12ZU25-PG7 | 12ZU25-PG9 |
| 8 pins | A Code | 12ZU27-PG7 | 12ZU27-PG9 |
| 12 pins | A Code | 12ZU71-PG7 | 12ZU71-PG9 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins |
|--|--------------------------|--------|----------------------------|--------|---------|
| Rated voltage | 250V | 250V | 60V | 30V | 30V |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A |
| Standards/regulations | | • | IEC 61076-2-1 | 01 | |
| Termination | | | Screw Clam | р | |
| Degree of protection | | | IP67 | | |
| Wire gauge (mm²) | | | 0.14mm ² -0.75r | mm² | |
| Wire gauge (AWG) | | | 26AWG-18AW | /G | |
| PG7 hole suitable cable outer diameter | 4.0mm-6.0mm | | | | |
| PG9 hole suitable cable outer diameter | 6.0mm-8.0mm | | | | |
| Mechanical operation | | | >100 mating cy | rcles | |
| Ambient temperature (operation) | | | -25°C~+85°C | | |
| Contact resistance | | | ≤5m Ω | | |
| Insulation resistance | | | ≥ 100M Ω | | |
| Connector body material | | | TPU | | |
| Pin material | | | Brass with gold p | olated | |
| Screw material | Brass with nickel plated | | | | |
| Gasket Material | | | Fluorine ring | 9 | |
| Customer tariff number | 8538900000 | | | | |
| Environmental compliance | | | RoHs, Reacl | h | |
| · · · · · · · · · · · · · · · · · · · | 1 | | | | |

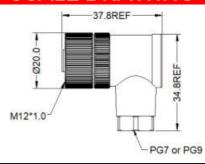


M12 A CODE FEMALE RIGHT ANGLE PLASTIC ASSEMBLY CONNECTOR

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

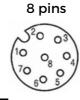
3 pins



10 O₃

4 pins





12 pins

| | | PG7 hole | PG9 hole |
|---------|--------|------------|------------|
| 3 pins | A Code | 12ZU22-PG7 | 12ZU22-PG9 |
| 4 pins | A Code | 12ZU24-PG7 | 12ZU24-PG9 |
| 5 pins | A Code | 12ZU26-PG7 | 12ZU26-PG9 |
| 8 pins | A Code | 12ZU28-PG7 | 12ZU28-PG9 |
| 12 pins | A Code | 12ZU72-PG7 | 12ZU72-PG9 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | |
|--|-------------|--------|----------------------------|---------------|---------|--|
| Rated voltage | 250V | 250V | 60V | 30V | 30V | |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A | |
| Standards/regulations | | | IEC 61076-2-10 | 01 | | |
| Termination | | | Screw Clam | 0 | | |
| Degree of protection | | | IP67 | | | |
| Wire gauge (mm²) | | | 0.14mm ² -0.75r | nm² | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | |
| PG7 hole suitable cable outer diameter | 4.0mm-6.0mm | | | | | |
| PG9 hole suitable cable outer diameter | 6.0mm-8.0mm | | | | | |
| Mechanical operation | | | >100 mating cy | cles | | |
| Ambient temperature (operation) | | | -25°C~+85°C | • | | |
| Contact resistance | | | ≤ 5m Ω | | | |
| Insulation resistance | | | ≥ 100M Ω | | | |
| Connector body material | | | TPU | | | |
| Pin material | | Phosp | phorus copper with | n gold plated | | |
| Screw material | | | Brass with nickel | plated | | |
| Gasket Material | | | Fluorine ring | l | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | | | RoHs, Reach | 1 | | |
| · · · · · · · · · · · · · · · · · · · | | · | · | · | · | |

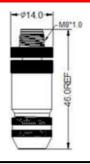


M12 A CODE MALE STRAIGHT METAL ASSEMBLY CONNECTOR WITH SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins









5 pins





8 pins



12 pins



| | | PG7 hole | PG9 hole |
|---------|--------|------------|------------|
| 3 pins | A Code | 12ZS31-PG7 | 12ZS31-PG9 |
| 4 pins | A Code | 12ZS33-PG7 | 12ZS33-PG9 |
| 5 pins | A Code | 12ZS35-PG7 | 12ZS35-PG9 |
| 8 pins | A Code | 12ZS37-PG7 | 12ZS37-PG9 |
| 12 pins | A Code | 12ZS73-PG7 | 12ZS73-PG9 |
| 17 pins | A Code | | 12ZS71-PG9 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|--|---------------|--------|---------------------|--------------|---------|---------|
| Rated voltage | 250 | ΟV | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IEC 6107 | 76-2-101 | | |
| Termination | | | Screw | Clamp | | |
| Degree of protection | | | IP6 | 57 | | |
| Wire gauge (mm²) | | | 0.14mm ² | -0.75mm² | | |
| Wire gauge (AWG) | | | 26AWG- | 18AWG | | |
| PG7 hole suitable cable outer diameter | 4.0mm-6.0mm | | | | | |
| PG9 hole suitable cable outer diameter | 6.0mm | | | 8.0mm | | |
| Mechanical operation | | | >100 mati | ng cycles | | |
| Ambient temperature (operation) | | | -25°C~ | +85°C | | |
| Contact resistance | | | ≤5r | nΩ | | |
| Insulation resistance | | | ≥100 | ΟΜΩ | | |
| Connector body material | TPU | | | | | |
| Pin material | | | Brass with o | gold plated | | |
| Screw material | | | Brass with n | ickel plated | | |
| Casket Material | Fluorine ring | | | | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | | | RoHs, | Reach | | |
| | | | | | | |

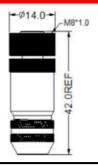


M12 A CODE FEMALE STRAIGHT METAL ASSEMBLY CONNECTOR WITH SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins



4 pins

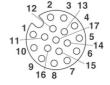




12 pins



17 pins



| | | PG7 hole | PG9 hole |
|---------|--------|------------|------------|
| 3 pins | A Code | 12ZS32-PG7 | 12ZS32-PG9 |
| 4 pins | A Code | 12ZS34-PG7 | 12ZS34-PG9 |
| 5 pins | A Code | 12ZS36-PG7 | 12ZS36-PG9 |
| 8 pins | A Code | 12ZS38-PG7 | 12ZS38-PG9 |
| 12 pins | A Code | 12ZS74-PG7 | 12ZS74-PG9 |
| 17 pins | A Code | | 12ZS72-PG9 |

| - | | • | | | | | |
|--|-------------|--------|---------------------|--------------------------|---------|---------|--|
| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
| Rated voltage | 25 | OV | 60V | | 30V | | |
| Rated current(40°C) | | 4A | • | 2A | 1.5A | 1.5A | |
| Standards/regulations | | | IEC 6107 | 76-2-101 | | | |
| Termination | | | Screw | Clamp | | | |
| Degree of protection | | | IP6 | 57 | | | |
| Wire gauge (mm²) | | | 0.14mm ² | -0.75mm² | | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | | |
| PG7 hole suitable cable outer diameter | 4.0mm-6.0mm | | | | | | |
| PG9 hole suitable cable outer diameter | 6.0mm-8.0mm | | | | | | |
| Mechanical operation | | | >100 mati | >100 mating cycles | | | |
| Ambient temperature (operation) | | | -25°C~ | +85°C | | | |
| Contact resistance | | | ≤5r | ηΩ | | | |
| Insulation resistance | | | ≥100 | ΩΜ Ω | | | |
| Connector body material | | | TF | PU | | | |
| Pin material | | Ph | osphorus coppe | r with gold _l | plated | | |
| Screw material | | | Brass with n | ickel plated | | | |
| Gasket Material | | | Fluorin | e ring | | | |
| Customer tariff number | | | 853890 | 0000 | | | |
| Environmental compliance | | | RoHs, | Reach | | | |
| | | | | - | | - | |

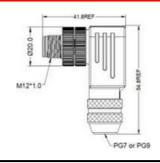


M12 A CODE MALE RIGHT ANGLE METAL ASSEMBLY CONNECTOR WITH SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins







12 pins











8 pins





| | | PG7 hole | PG9 hole |
|---------|--------|------------|------------|
| 3 pins | A Code | 12ZS41-PG7 | 12ZS41-PG9 |
| 4 pins | A Code | 12ZS43-PG7 | 12ZS43-PG9 |
| 5 pins | A Code | 12ZS45-PG7 | 12ZS45-PG9 |
| 8 pins | A Code | 12ZS47-PG7 | 12ZS47-PG9 |
| 12 pins | A Code | 12ZS75-PG7 | 12ZS75-PG9 |
| 17 pins | A Code | | 12ZS77-PG9 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|--|-------------|--------|--------------|--------------|---------|---------|
| Rated voltage | 250 | 0V | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IEC 6107 | 6-2-101 | | |
| Termination | | | Screw (| Clamp | | |
| Degree of protection | | | IP6 | 57 | | |
| Wire gauge (mm²) | | | 0.14mm²- | -0.75mm² | | |
| Wire gauge (AWG) | | | 26AWG- | 18AWG | | |
| PG7 hole suitable cable outer diameter | 4.0mm-6.0mm | | | | | |
| PG9 hole suitable cable outer diameter | 6.0mm-8.0mm | | | | | |
| Mechanical operation | | | >100 mati | ng cycles | | |
| Ambient temperature (operation) | | | -25°C~ | +85°C | | |
| Contact resistance | | | ≤5n | nΩ | | |
| Insulation resistance | | | ≥100 | ΩΜΩ | | |
| Connector body material | | | TF | PU | | |
| Pin material | | | Brass with g | gold plated | | |
| Screw material | | | Brass with n | ickel plated | | |
| Gasket Material | | | Fluorin | e ring | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | | | RoHs, | Reach | | |
| | 1 | | | | | |

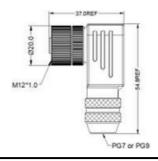


M12 A CODE FEMALE RIGHT ANGLE METAL ASSEMBLY CONNECTOR WITH SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

3 pins



4 pins

5 pins

Ó

Q

0, 0

15

8 pins

12 pins

10 100 11

O12

17 pins





| | | PG7 hole | PG9 hole |
|---------|--------|------------|------------|
| 3 pins | A Code | 12ZS42-PG7 | 12ZS42-PG9 |
| 4 pins | A Code | 12ZS44-PG7 | 12ZS44-PG9 |
| 5 pins | A Code | 12ZS46-PG7 | 12ZS46-PG9 |
| 8 pins | A Code | 12ZS48-PG7 | 12ZS48-PG9 |
| 12 pins | A Code | 12ZS76-PG7 | 12ZS76-PG9 |
| 17 pins | A Code | | 12ZS78-PG9 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|--|--------------------------|--------|---------------------|--------------------------|---------|---------|
| Rated voltage | 25 | OV | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IEC 6107 | 76-2-101 | | |
| Termination | | | Screw | Clamp | | |
| Degree of protection | | | IP6 | 57 | | |
| Wire gauge (mm²) | | | 0.14mm ² | -0.75mm² | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | |
| PG7 hole suitable cable outer diameter | | | 4.0mm- | -6.0mm | | |
| PG9 hole suitable cable outer diameter | 6.0mm-8.0mm | | | | | |
| Mechanical operation | | | >100 mati | ing cycles | | |
| Ambient temperature (operation) | | | -25°C~ | ∙+85°C | | |
| Contact resistance | | | ≤5r | nΩ | | |
| Insulation resistance | | | ≥100 | ΩΜΩ | | |
| Connector body material | | | TF | PU | | |
| Pin material | | Ph | osphorus coppe | r with gold _l | olated | |
| Screw material | Brass with nickel plated | | | | | |
| Gasket Material | Fluorine ring | | | | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | RoHs, Reach | | | | | |

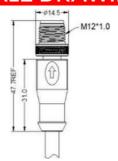


M12 A CODE MALE STRAIGHT MOLDED CABLE, UNSHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW













| | | PVC jacket | | PUR jacket |
|---------|--------|-------------|--------------|--------------|
| | | -10°C~+80°C | -40°C~+105°C | -40°C~+105°C |
| 3 pins | A Code | 12L00123-X | 12L00199-X | 12L00200-X |
| 4 pins | A Code | 12L00124-X | 12L00210-X | 12L00183-X |
| 5 pins | A Code | 12L00125-X | 12L00236-X | 12L00237-X |
| 8 pins | A Code | 12L00191-X | 12L00251-X | 12L00007-X |
| 12 pins | A Code | 12L00266-X | 12L00267-X | 12L00268-X |
| 17 pins | A Code | 12L00293-X | 12L00294-X | 12L00295-X |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|---------------------------------|--------------------|--------|---------------------|--------------|---------|---------|
| Rated voltage | 250 | ov | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IEC 6107 | 76-2-101 | | |
| Termination | | | Solder and | over-mold | | |
| Connector locking system | | | Scr | ew | | |
| Degree of protection | | | IP67, IP68 | B, IP69K | | |
| Wire gauge (mm²) | | | 0.14mm ² | -0.75mm² | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | |
| Mechanical operation | >100 mating cycles | | | | | |
| Ambient temperature (operation) | -25°C~+85°C | | | | | |
| Contact resistance | ≤5mΩ | | | | | |
| Insulation resistance | | | ≥100 | ΩΜΩ | | |
| Connector body material | TPU | | | | | |
| Pin material | | | Brass with g | gold plated | | |
| Screw material | | | Brass with n | ickel plated | | |
| Gasket Material | Fluorine ring | | | | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | | | RoHs, l | Reach | | |

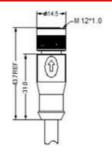


M12 A CODE FEMALE STRAIGHT MOLDED CABLE, UNSHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

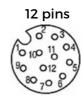


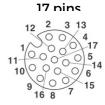












| | | PVC | jacket | PUR jacket |
|---------|--------|-------------|--------------|--------------|
| | | -10°C~+80°C | -40°C~+105°C | -40°C~+105°C |
| 3 pins | A Code | 12L00201-X | 12L00202-X | 12L00203-X |
| 4 pins | A Code | 12L00169-X | 12L00225-X | 12L00016-X |
| 5 pins | A Code | 12L00240-X | 12L00116-X | 12L00185-X |
| 8 pins | A Code | 12L00192-X | 12L00253-X | 12L00254-X |
| 12 pins | A Code | 12L00197-X | 12L00269-X | 12L00270-X |
| 17 pins | A Code | 12L00296-X | 12L00297-X | 12L00298-X |

| GENERAL INFORMATION | 3 pins 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | |
|--------------------------|--------------------|----------------|---------------------|---------|---------|--|
| Rated voltage | 250V | 60V | | 30V | | |
| Rated current(40°C) | 4A | | 2A | 1.5A | 1.5A | |
| Standards/regulations | | IEC 6107 | 6-2-101 | | | |
| Termination | | Solder and | over-mold | | | |
| Degree of protection | | IP67, IP68 | 3, IP69K | | | |
| Wire gauge (mm²) | | 0.14mm²- | 0.75mm ² | | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | |
| Mechanical operation | >100 mating cycles | | | | | |
| Contact resistance | ≤5mΩ | | | | | |
| Insulation resistance | | ≥100 | ΩΜΩ | | | |
| Connector body material | | TP | U | | | |
| Pin material | Ph | osphorus coppe | r with gold p | olated | | |
| Screw material | | Brass with n | ickel plated | | | |
| Gasket Material | | Fluorin | e ring | | | |
| Over-mold material | | TPU | J | | | |
| Customer tariff number | | 853890 | 0000 | | | |
| Environmental compliance | RoHs, Reach | | | | | |

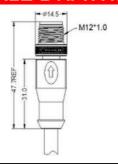


M12 A CODE MALE STRAIGHT MOLDED CABLE, SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW













| | | PVC | jacket | PUR jacket |
|---------|--------|-------------|--------------|--------------|
| | | -10°C~+80°C | -40°C~+105°C | -40°C~+105°C |
| 3 pins | A Code | 12L00210-X | 12L00211-X | 12L00212-X |
| 4 pins | A Code | 12L00227-X | 12L00228-X | 12L00120-X |
| 5 pins | A Code | 12L00243-X | 12L00244-X | 12L00150-X |
| 8 pins | A Code | 12L00260-X | 12L00261-X | 12L00262-X |
| 12 pins | A Code | 12L00277-X | 12L00278-X | 12L00279-X |
| 17 pins | A Code | 12L00299-X | 12L002300-X | 12L0021301-X |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | | | |
|--------------------------|------------|--------|---------------|-------------|-------------|---------|--|--|--|
| Rated voltage | 250V | | 60V | | 30V | | | | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A | | | |
| Standards/regulations | | | IEC 6107 | 6-2-101 | | | | | |
| Termination | | | Solder and | over-mold | | | | | |
| Degree of protection | | | IP67, IP68 | 3, IP69K | | | | | |
| Wire gauge (mm²) | | | 0.14mm²- | 0.75mm² | | | | | |
| Wire gauge (AWG) | | | 26AWG- | 18AWG | | | | | |
| Mechanical operation | | | >100 matir | ng cycles | | | | | |
| Contact resistance | | | ≤5 m | ιΩ | | | | | |
| Insulation resistance | | | ≥100 | ΜΩ | | | | | |
| Connector body material | | | TP | U | | | | | |
| Pin material | | | Brass with g | old plated | | | | | |
| Screw material | | | Brass with ni | ckel plated | | | | | |
| Shielded shell | | | Brass with ni | ckel plated | | | | | |
| Over-mold material | | | TPU | J | | | | | |
| Customer tariff number | 8538900000 | | | | | | | | |
| Environmental compliance | | | RoHs, F | Reach | RoHs, Reach | | | | |

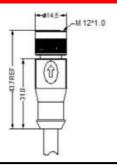


M12 A CODE FEMALE STRAIGHT MOLDED CABLE, SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW

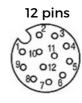


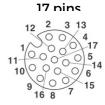












| | | PVC | jacket | PUR jacket |
|---------|--------|-------------|--------------|--------------|
| | | -10°C~+80°C | -40°C~+105°C | -40°C~+105°C |
| 3 pins | A Code | 12L00213-X | 12L00214-X | 12L00215-X |
| 4 pins | A Code | 12L00233-X | 12L00234-X | 12L00235-X |
| 5 pins | A Code | 12L00247-X | 12L00248-X | 12L00147-X |
| 8 pins | A Code | 12L00263-X | 12L00264-X | 12L00017-X |
| 12 pins | A Code | 12L00198-X | 12L00280-X | 12L00281-X |
| 17 pins | A Code | 12L00302-X | 12L00303-X | 12L00304-X |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|--------------------------|-------------|--------|----------------|---------------|---------|---------|
| Rated voltage | 25 | OV | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IEC 6107 | 76-2-101 | | |
| Termination | | | Solder and | over-mold | | |
| Degree of protection | | | IP67, IP6 | 8, IP69K | | |
| Wire gauge (mm²) | | | 0.14mm² | -0.75mm² | | |
| Wire gauge (AWG) | | | 26AWG | 18AWG | | |
| Mechanical operation | | | >100 mati | ng cycles | | |
| Contact resistance | | | ≤5r | nΩ | | |
| Insulation resistance | | | ≥100 | ΩΜΩ | | |
| Connector body material | | | | PU | | |
| Pin material | | Ph | osphorus coppe | r with gold ہ | olated | |
| Screw material | | | Brass with n | ickel plated | | |
| Shielded shell | | | Brass with n | ickel plated | | |
| Over-mold material | | | TPI | J | | |
| Gasket Material | | | Fluorin | e ring | | |
| Customer tariff number | | | 853890 | 0000 | | |
| Environmental compliance | RoHs, Reach | | | | | |

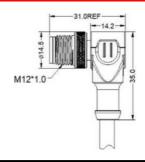


M12 A CODE MALE RIGHT ANGLE MOLDED CABLE, UNSHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW













| | | PVC | PUR jacket | |
|---------|--------|-------------|--------------|--------------|
| | | -10°C~+80°C | -40°C~+105°C | -40°C~+105°C |
| 3 pins | A Code | 12L00204-X | 12L00205-X | 12L00206-X |
| 4 pins | A Code | 12L00222-X | 12L00223-X | 12L00224-X |
| 5 pins | A Code | 12L00181-X | 12L00238-X | 12L00239-X |
| 8 pins | A Code | 12L00163-X | 12L00252-X | 12L00006-X |
| 12 pins | A Code | 12L00271-X | 12L00272-X | 12L00273-X |
| 17 pins | A Code | 12L00177-X | 12L00288-X | 12L00289-X |

| | | | | - | | |
|--------------------------|--------------------|--------|---------------|---------------------|---------|---------|
| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
| Rated voltage | 250 | ΟV | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IEC 6107 | 6-2-101 | | |
| Termination | | | Solder and | over-mold | | |
| Degree of protection | | | IP67, IP68 | 3, IP69K | | |
| Wire gauge (mm²) | | | 0.14mm²- | 0.75mm ² | | |
| Wire gauge (AWG) | | | 26AWG- | 18AWG | | |
| Mechanical operation | >100 mating cycles | | | | | |
| Contact resistance | | | ≤5m | ηΩ | | |
| Insulation resistance | | | ≥100 | ΜΩ | | |
| Connector body material | | | TP | U | | |
| Pin material | | | Brass with g | old plated | | |
| Screw material | | | Brass with ni | ckel plated | | |
| Over-mold material | | | TPU | J | | |
| Customer tariff number | | | 8538900 | 0000 | | |
| Environmental compliance | | | RoHs, F | Reach | | |

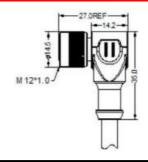


M12 A CODE FEMALE RIGHT ANGLE MOLDED CABLE, UNSHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW



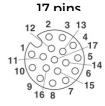












| | | PVC | PUR jacket | |
|---------|--------|-------------|--------------|--------------|
| | | -10°C~+80°C | -40°C~+105°C | -40°C~+105°C |
| 3 pins | A Code | 12L00207-X | 12L00208-X | 12L00209-X |
| 4 pins | A Code | 12L00170-X | 12L00226-X | 12L00029-X |
| 5 pins | A Code | 12L00241-X | 12L00171-X | 12L00242-X |
| 8 pins | A Code | 12L00164-X | 12L00255-X | 12L00256-X |
| 12 pins | A Code | 12L00274-X | 12L00275-X | 12L00276-X |
| 17 pins | A Code | 12L00290-X | 12L00291-X | 12L00292-X |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins |
|--------------------------|-------------|--------|----------------|---------------------|---------|---------|
| Rated voltage | 250 | V | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IEC 6107 | 6-2-101 | | |
| Termination | | | Solder and | over-mold | | |
| Degree of protection | | | IP67, IP68 | 3, IP69K | | |
| Wire gauge (mm²) | | | 0.14mm²- | 0.75mm ² | | |
| Wire gauge (AWG) | | | 26AWG- | 18AWG | | |
| Mechanical operation | | | >100 mati | ng cycles | | |
| Contact resistance | ≤5mΩ | | | | | |
| Insulation resistance | | | ≥100 | ΜΩ | | |
| Connector body material | | | TP | U | | |
| Pin material | | Pho | osphorus coppe | r with gold p | olated | |
| Screw material | | | Brass with n | ickel plated | | |
| Over-mold material | | | TPU | J | | |
| Gasket Material | | | Fluorine | ring | | |
| Customer tariff number | | | 853890 | 0000 | | |
| Environmental compliance | RoHs, Reach | | | | | |

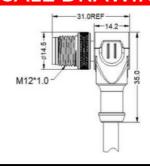


M12 A CODE MALE RIGHT ANGLE MOLDED CABLE, SHIELDED

PRODUCT PHOTO

SCALE DRAWING



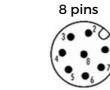


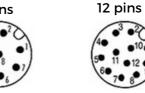
PIN ASSIGNMENT FRONT VIEW













| | | PVC | jacket | PUR jacket |
|---------|--------|-------------|--------------|--------------|
| | | -10°C~+80°C | -40°C~+105°C | -40°C~+105°C |
| 3 pins | A Code | 12L00216-X | 12L00217-X | 12L00218-X |
| 4 pins | A Code | 12L00229-X | 12L00145-X | 12L00230-X |
| 5 pins | A Code | 12L00245-X | 12L00246-X | 12L00002-X |
| 8 pins | A Code | 12L00257-X | 12L00311-X | 12L00258-X |
| 12 pins | A Code | 12L00282-X | 12L00283-X | 12L00284-X |
| 17 pins | A Code | 12L00305-X | 12L00306-X | 12L00307-X |

| GENERAL INFORMATION | 3 pins 4 | pins | 5 pins | 8 pins | 12 pins | 17 pins |
|--------------------------|--------------------------|------|---------------|-------------|---------|---------|
| Rated voltage | 250V | | 60V | | 30V | |
| Rated current(40°C) | | 4A | | 2A | 1.5A | 1.5A |
| Standards/regulations | | | IEC 6107 | 6-2-101 | | |
| Termination | | | Solder and | over-mold | | |
| Degree of protection | | | IP67, IP68 | 3, IP69K | | |
| Wire gauge (mm²) | | | 0.14mm²- | 0.75mm² | | |
| Wire gauge (AWG) | | | 26AWG- | 18AWG | | |
| Mechanical operation | | | >100 matir | ng cycles | | |
| Contact resistance | | | ≤5 m | ιΩ | | |
| Insulation resistance | | | ≥100 | ΜΩ | | |
| Connector body material | | | TP | U | | |
| Pin material | | | Brass with g | old plated | | |
| Screw material | | | Brass with ni | ckel plated | | |
| Over-mold material | | | TPL | J | | |
| Shielded shell | Brass with nickel plated | | | | | |
| Customer tariff number | 8538900000 | | | | | |
| Environmental compliance | | | RoHs, F | Reach | | |

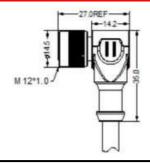


M12 A CODE FEMALE RIGHT ANGLE MOLDED CABLE, SHIELDED

PRODUCT PHOTO

SCALE DRAWING





PIN ASSIGNMENT FRONT VIEW



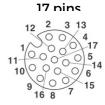












| | | PVC jacket | | PUR jacket |
|---------|--------|-------------|--------------|--------------|
| | | -10°C~+80°C | -40°C~+105°C | -40°C~+105°C |
| 3 pins | A Code | 12L00219-X | 12L00220-X | 12L00221-X |
| 4 pins | A Code | 12L00231-X | 12L00108-X | 12L00232-X |
| 5 pins | A Code | 12L00249-X | 12L00250-X | 12L00151-X |
| 8 pins | A Code | 12L00259-X | 12L00312-X | 12L00265-X |
| 12 pins | A Code | 12L00285-X | 12L00286-X | 12L00287-X |
| 17 pins | A Code | 12L00308-X | 12L00309-X | 12L00310-X |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | 17 pins | | |
|--------------------------|------------------------------------|--------|---------------------|-----------|---------|---------|--|--|
| Rated voltage | 250V 60V | | | 30V | | | | |
| Rated current(40°C) | 4A 2A 1.5A | | | | 1.5A | 1.5A | | |
| Standards/regulations | IEC 61076-2-101 | | | | | | | |
| Termination | | | Solder and | over-mold | | | | |
| Degree of protection | | | IP67, IP68 | 3, IP69K | | | | |
| Wire gauge (mm²) | | | 0.14mm ² | -0.75mm² | | | | |
| Wire gauge (AWG) | 26AWG-18AWG | | | | | | | |
| Mechanical operation | >100 mating cycles | | | | | | | |
| Contact resistance | ≤ 5 mΩ | | | | | | | |
| Insulation resistance | ≥100MΩ | | | | | | | |
| Connector body material | TPU | | | | | | | |
| Pin material | Phosphorus copper with gold plated | | | | | | | |
| Screw material | Brass with nickel plated | | | | | | | |
| Over-mold material | TPU | | | | | | | |
| Casket Material | Fluorine ring | | | | | | | |
| Shielded Shell | Brass with nickel plated | | | | | | | |
| Customer tariff number | 8538900000 | | | | | | | |
| Environmental compliance | RoHs, Reach | | | | | | | |

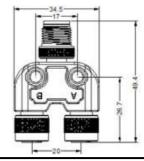


M12 A CODE ONE MALE TO TWO FEMALE Y SPLITTER CONNECTOR

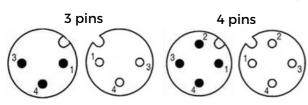
PRODUCT PHOTO

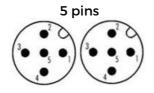
SCALE DRAWING

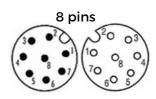


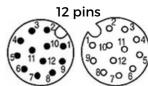


PIN ASSIGNMENT FRONT VIEW









| 3 pins | A Code | 12Y001 |
|---------|--------|--------|
| 4 pins | A Code | 12Y002 |
| 5 pins | A Code | 12Y003 |
| 8 pins | A Code | 12Y004 |
| 12 pins | A Code | 12Y005 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | | |
|--------------------------|------------------------------------|--------|---------------|--------|---------|--|--|
| Rated voltage | 250V | 250V | 60V | 30V | 30A | | |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A | | |
| Standards/regulations | IEC 61076-2-101 | | | | | | |
| Termination | Solder and over-mold | | | | | | |
| Degree of protection | | | IP67, IP68, I | P69K | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Contact resistance | ≤5mΩ | | | | | | |
| Insulation resistance | | ≥100MΩ | | | | | |
| Connector body material | TPU | | | | | | |
| Pin material (male) | Brass with gold plated | | | | | | |
| Pin material (female) | Phosphorus copper with gold plated | | | | | | |
| Screw material | Brass with nickel plated | | | | | | |
| Over-mold material | TPU | | | | | | |
| Gasket Material | Fluorine ring | | | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | | | RoHs, Re | ach | | | |

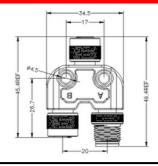


M12 A CODE ONE FEMALE TO ONE MALE + ONE FEMALE Y SPLITTER CONNECTOR

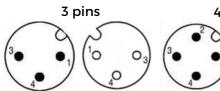
PRODUCT PHOTO

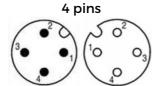
SCALE DRAWING

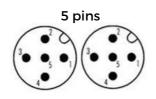


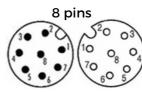


PIN ASSIGNMENT FRONT VIEW













| 3 pins | A Code | 12Y016 |
|---------|--------|--------|
| 4 pins | A Code | 12Y017 |
| 5 pins | A Code | 12Y009 |
| 8 pins | A Code | 12Y018 |
| 12 pins | A Code | 12Y019 |

| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | | |
|--------------------------|------------------------------------|--------|---------------|---------|---------|--|--|
| Rated voltage | 250V | 250V | 60V | 30V | 30A | | |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A | | |
| Standards/regulations | IEC 61076-2-101 | | | | | | |
| Termination | | | Solder and ov | er-mold | | | |
| Degree of protection | | | IP67, IP68, I | P69K | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Contact resistance | ≤ 5 mΩ | | | | | | |
| Insulation resistance | ≥100MΩ | | | | | | |
| Connector body material | TPU | | | | | | |
| Pin material (male) | Brass with gold plated | | | | | | |
| Pin material (female) | Phosphorus copper with gold plated | | | | | | |
| Screw material | Brass with nickel plated | | | | | | |
| Over-mold material | TPU | | | | | | |
| Casket Material | Fluorine ring | | | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | RoHs, Reach | | | | | | |

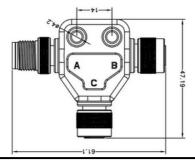


M12 A CODE ONE FEMALE TO ONE MALE + ONE FEMALE T SPLITTER CONNECTOR

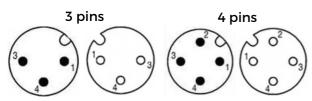
PRODUCT PHOTO

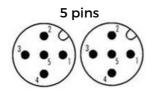
SCALE DRAWING

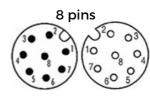


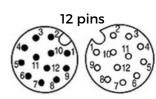


PIN ASSIGNMENT FRONT VIEW









| 3 pins | A Code | 12T001 |
|---------|--------|--------|
| 4 pins | A Code | 12T002 |
| 5 pins | A Code | 12T003 |
| 8 pins | A Code | 12T004 |
| 12 pins | A Code | 12T005 |

| | • | | | | | | |
|--------------------------|------------------------------------|--------|---------------|----------|---------|--|--|
| GENERAL INFORMATION | 3 pins | 4 pins | 5 pins | 8 pins | 12 pins | | |
| Rated voltage | 250V | 250V | 60V | 30V | 30A | | |
| Rated current(40°C) | 4A | 4A | 4A | 2A | 1.5A | | |
| Standards/regulations | IEC 61076-2-101 | | | | | | |
| Termination | | | Solder and ov | /er-mold | | | |
| Degree of protection | | | IP67, IP68, I | IP69K | | | |
| Mechanical operation | >100 mating cycles | | | | | | |
| Contact resistance | ≤5 m Ω | | | | | | |
| Insulation resistance | | | ≥100MΩ | | | | |
| Connector body material | TPU | | | | | | |
| Pin material (male) | Brass with gold plated | | | | | | |
| Pin material (female) | Phosphorus copper with gold plated | | | | | | |
| Screw material | Brass with nickel plated | | | | | | |
| Over-mold material | TPU | | | | | | |
| Casket Material | Fluorine ring | | | | | | |
| Customer tariff number | 8538900000 | | | | | | |
| Environmental compliance | | | RoHs, Re | ach | | | |