

## **CIRCULAR SERIES** WATERPROOF CONNECTOR

The Total Solution Provider





# ABOUT SIMULA

Simula Technology Inc. is a publicly listed company in Taiwan, who designs and manufactures high-performing connectors, cables and accessories. Established in 1990, Simula's mission is to lead the industry with excellent R&D technology, constant innovation and exceptional customer service.

Simula provides both off-the-shelve and customized solutions to accommodate customers in various market segments. To ensure the quality and standard of the products we provide to our customer who puts their trust in us, Simula is in compliance with International Standards recognized worldwide such as ISO13485, ISO 9001, ISO14001 and IATF16949.





B.C.E. s.r.l.

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#### Laboratory

Fully equipped laboratory both in Taiwan and China facilities.



X-Ray Plating Thickness Tester

Hardness Meter

Height Gauge



#### B.C.E. s.r.l. Via Regina Pacis, 54/c - 41049 SASSUOLO (MO) Italy Tel. +39 0536 811.616 r.a. - Fax +39 0536 811.500 www.bce.it - E-mail: bce@bce.it





X-ray Inspection System



#### **Electrical and Mechanical Characteristics**

| ltem                                  | A Size        | B Size   | C Size                              | D Size   |  |
|---------------------------------------|---------------|--|-------------------------------------|--|--|
|                                       | Mini          | Standard   | Middle                              | Large  |  |
|                                       | 10.40         | 9.0<br>14.80   | 19.40±0.1                           | 0792.00±0.1                                      |  |
| Contact<br>Configuration              | 2, 3, 4, 5, 6 | 2, 3, 4, 5, 6,7, 8, 10, 12,<br>Hybrid ( PWR + Signal )   | 2, 3, 4, 5, 6, 9,<br>10, 12, 14, 18 | 2, 3, 4, 5, 6, 7, 18,<br>Hybrid ( PWR + Signal ) |  |
| Screw Thread<br>Size                  | 7/16"-28 UNS  | 5/8"-27 UNS  | 13/16"-28 UNS                       | 1"-20 UNEF                                       |  |
| Operation<br>Temperature              |               | ( 1 ) Ambient temperature (operation) : Plug /Receptacle : - 40 °C to + 105 °C<br>( 2 ) Cable, fixed installation : - 20 °C to + 80 °C |                                     |  |  |
| Waterproof<br>Protection              |               | IP67   |                                     |  |  |
| Contact<br>Resistance                 |               | < 20 m Ω   |                                     |  |  |
| Insulation<br>Resistance<br>(Unmated) |               | > 100 M Ω  |                                     |  |  |
| Dielectric<br>Withstand<br>Voltage    |               | 1000 V/s DC  |                                     |  |  |
| Mechanical<br>Operation               |               | 300 cycles   |                                     |  |  |
| Salt Sprays                           |               | 48 hours   |                                     |  |  |







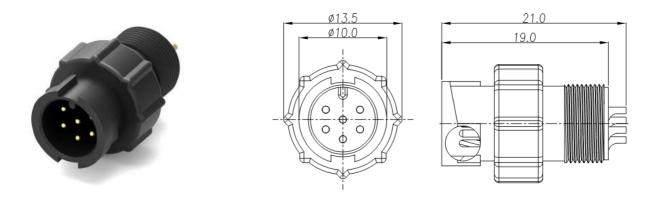
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#### **`A Size Series Waterproof Connectors**

### **Cable Type - Male**



| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

|    | 5A | 2A |
|----|----|----|
| 02 |    |    |
| 03 | 00 |    |
| 04 |    |    |
| 05 |    |    |
| 06 |    |    |

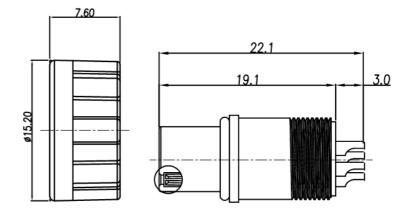
| No. of<br>Contacts | Current Rating        |                       |  |
|--------------------|-----------------------|-----------------------|--|
|                    | 5A                    | 2A                    |  |
| 02                 | H232M0A0-021Q70-1C09P | -                     |  |
| 03                 | H232M0A0-031Q70-1C09P | -                     |  |
| 04                 | -                     | H232M0A0-041Q70-1C09P |  |
| 05                 | -                     | H232M0A0-051Q70-1C09P |  |
| 06                 | -                     | H232M0A0-061Q70-1C09P |  |
|                    |                       |                       |  |
|                    |                       |                       |  |





#### **Cable Type - Female**





| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

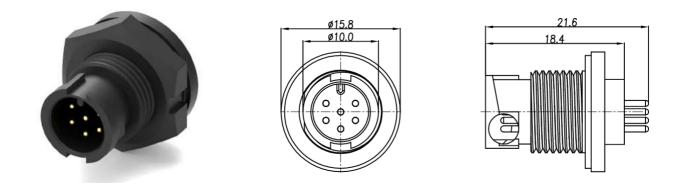
| Rec.             | 5A  | 2A |
|------------------|-----|----|
| <mark>0</mark> 2 |     | -  |
| 03               | 000 |    |
| 04               |     |    |
| 05               |     |    |
| 06               |     |    |

| No. of   | Current Rating        |                       |  |
|----------|-----------------------|-----------------------|--|
| Contacts | 5A                    | 2A                    |  |
| 02       | H332F0A0-021Q70-1C09P | -                     |  |
| 03       | H332F0A0-031Q70-1C09P | -                     |  |
| 04       | -                     | H332F0A0-041Q70-1C09P |  |
| 05       | -                     | H332F0A0-051Q70-1C09P |  |
| 06       | -                     | H332F0A0-061Q70-1C09P |  |
|          |                       |                       |  |
|          |                       |                       |  |





#### Panel Type - Male



| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel (Rear Mount)  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | DIP   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

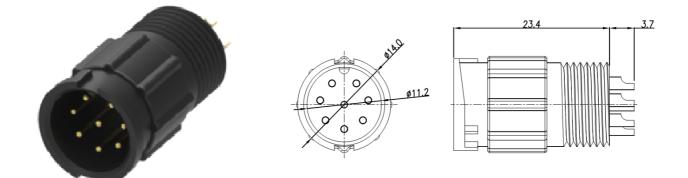
|    | 5A | 2A  |
|----|----|---|
| 02 |    |   |
| 03 | 00 |   |
| 04 |    |   |
| 05 |    | ()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>( |
| 06 |    |   |

| No. of   | Current Rating        |                       |  |
|----------|-----------------------|-----------------------|--|
| Contacts | 5A                    | 2A                    |  |
| 02       | H231M0A0-021Q70-1R09P | -                     |  |
| 03       | H231M0A0-031Q70-1R09P | -                     |  |
| 04       | -                     | H231M0A0-041Q70-1R09P |  |
| 05       | -                     | H231M0A0-051Q70-1R09P |  |
| 06       | -                     | H231M0A0-061Q70-1R09P |  |
|          |                       |                       |  |
|          |                       |                       |  |





#### Cable Type - Male



| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

|    | 10A   | 5A   | 2A |
|----|---|------|----|
| 02 | 00  | 00   |    |
| 03 | $\bigcirc \bigcirc $ |      |    |
| 04 | $\bigcirc \bigcirc $ | 000  |    |
| 05 |   |      |    |
| 06 |   |      |    |
| 07 |   | 0000 |    |
| 08 |   | 0000 |    |
| 10 |   |      |    |
| 12 |   |      |    |

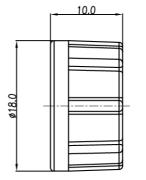
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|----------|-----------------------|----|--|--|
| Contacts | 5A                    | 2A |  |  |
| 02       | H232M0B0-021Q70-1C09P | -  |  |  |
| 03       | H232M0B0-031Q70-1C09P | -  |  |  |
| 04       | -                     | -  |  |  |
| 05       | -                     | -  |  |  |
| 06       | H232M0B0-061Q70-1C09P | -  |  |  |
| 07       | -                     | -  |  |  |
| 08       | H232M0B0-081Q70-1C09P | -  |  |  |
| 10       | -                     | -  |  |  |
| 12       | -                     | -  |  |  |

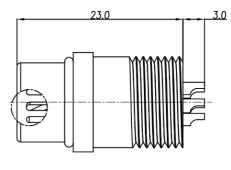




### **Cable Type - Female**







| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

| 10A        | 5A  | 10A<br>+5A | 5A<br>+2A                                   |
|------------|---|------------|---|
| $\bigcirc$ | $\bigcirc$  |            |   |
| $\bigcirc$ | $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$  |            |   |
|            | <b>()</b>   |            |   |
|            | $\bigcirc \bigcirc $ |            |   |
|            |   |            |   |
|            |   |            |   |
|            | 60  |            | 104 54 +54   60 60 60   60 60 60   60 60 60 |

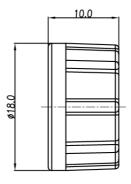
| No. of   | Current Rating        |                       |                       |  |  |  |
|----------|-----------------------|-----------------------|-----------------------|--|--|--|
| Contacts | 10A                   | 5A                    | 5A+2A                 |  |  |  |
| 02       | -                     | H232M0B0-021Q70-1C19P | -                     |  |  |  |
| 03       | H232M0B0-031Q70-1C29P | H232M0B0-031Q70-1C19P | -                     |  |  |  |
| 04       | -                     | -                     | -                     |  |  |  |
| 05       | -                     | -                     | -                     |  |  |  |
| 06       | -                     |                       | -                     |  |  |  |
| 08       | -                     | -                     | H232M0B0-081Q70-1C19P |  |  |  |
|          |                       |                       |                       |  |  |  |

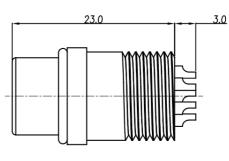




## **Cable Type - Female**







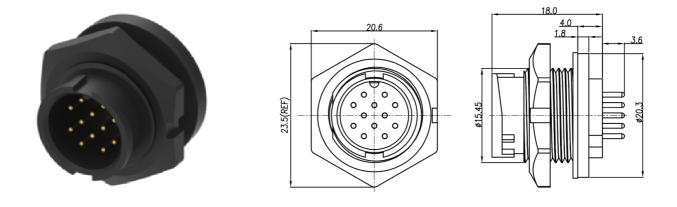
| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

|    | 10A             | 5A       | 2A | No. of   | Current Rating        |                       |                       |
|----|-----------------|----------|----|----------|-----------------------|-----------------------|-----------------------|
| 02 | $(\circ \circ)$ | 00)      |    | Contacts | 10A                   | 5A                    | 2A                    |
| 03 |                 | 000      |    | 02       | H332F0B0-021Q70-1C19P | H332F0B0-021Q70-1C29P | -                     |
| 04 |                 |          |    | 03       | H332F0B0-031Q70-1C19P | H332F0B0-031Q70-1C29P | -                     |
|    | 0               |          |    | 04       | H332F0B0-041Q70-1C19P | H332F0B0-041Q70-1C29P | -                     |
| 05 |                 | $\smile$ |    | 05       | -                     | H332F0B0-051Q70-1C19P | -                     |
| 06 |                 |          |    | 06       | -                     | H332F0B0-061Q70-1C19P | -                     |
| 07 |                 |          |    | 07       | -                     | H332F0B0-071Q70-1C09P | -                     |
| 08 |                 |          |    | 08       | -                     | H332F0B0-081Q70-1C09P | -                     |
| 10 |                 |          |    | 10       | -                     | -                     | H332F0B0-101Q70-1C09P |
| 12 |                 |          |    | 12       | -                     | -                     | H332F0B0-121Q70-1C09P |





#### Panel Type - Male



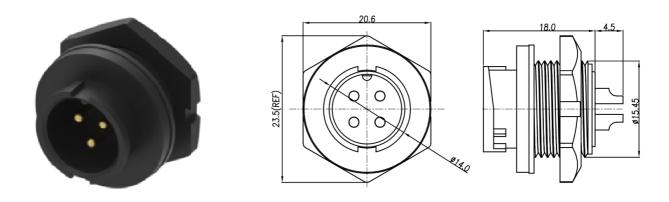
| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Rear Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | DIP   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Circular  |

|    | 10A             | 5A  | 2A  | No. of   | Current Rating        |                       |                       |
|----|-----------------|---|-----|----------|-----------------------|-----------------------|-----------------------|
| 02 | $(\circ \circ)$ | 00)   |     | Contacts | 10A                   | 5A                    | 2A                    |
| 03 | $\bigcirc$      | 000   |     | 02       | H231M0B0-021Q70-1R09P | H231M0B0-021Q70-1R19P | -                     |
| 04 | 60              | 60  |     | 03       | H231M0B0-031Q70-1R09P | H231M0B0-031Q70-1R19P | -                     |
| 05 | 60              | $\bigcirc \bigcirc $ |     | 04       | H231M0B0-041Q70-1R09P | H231M0B0-041Q70-1R19P | -                     |
|    |                 |   |     | 05       | -                     | H231M0B0-051Q70-1R09P | -                     |
| 06 |                 |   |     | 06       | -                     | H231M0B0-061Q70-1R09P | -                     |
| 07 |                 |   |     | 07       | -                     | H231M0B0-071Q70-1R09P | -                     |
| 08 |                 |   |     | 08       | -                     | H231M0B0-081Q70-1R09P | -                     |
| 10 |                 |   | 000 | 10       | -                     | -                     | H231M0B0-101Q70-1R09P |
| 12 |                 |   |     | 12       | -                     | -                     | H231M0B0-121Q70-1R09P |





#### Panel Type - Male



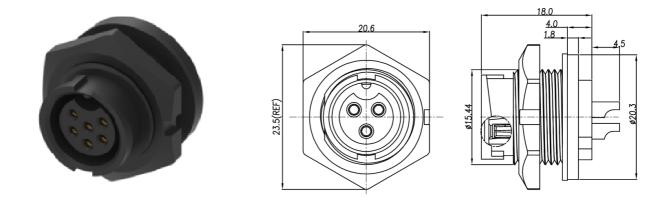
| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel (Front Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Circular  |

|    | 10A             | 5A   | 2A   | No. of   | Current               | t Rating |
|----|-----------------|--|------|----------|-----------------------|----------|
| 02 | $(\circ \circ)$ | $(\circ \circ)$  |      | Contacts | 10A                   | 5A       |
| 03 | $\bigcirc$      | $\left( \begin{array}{c} \circ \circ \\ \circ \end{array} \right)$ |      | 02       | -                     | -        |
| 04 |                 |  |      | 03       | H232M0B0-031Q70-1F09P | -        |
| 05 | 00              |  |      | 04       | -                     | -        |
| 06 |                 |  |      | 05       | -                     | -        |
|    |                 |  |      | 06       | -                     | -        |
| 07 |                 |  |      | 07       | -                     | -        |
| 08 |                 |  |      | 08       | -                     | -        |
| 10 |                 |  | 0000 | 10       | -                     | -        |
| 12 |                 |  |      | 12       | -                     | -        |





#### Panel Type - Female



| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Rear Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Circular  |

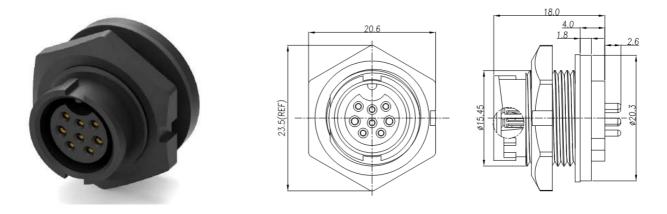
| No. of<br>Contacts | 10A                 | 5A                                    | 10A<br>+5A | 5A<br>+2A |
|--------------------|---------------------|---------------------------------------|------------|-----------|
| 02                 | $\bigcirc \bigcirc$ | $\bigcirc \bigcirc \bigcirc$          |            |           |
| 03                 | Ö                   | $\bigcirc \bigcirc \bigcirc \bigcirc$ |            |           |
| 04                 |                     | 60                                    |            |           |
| 05                 |                     | $\bigcirc$                            |            |           |
| 06                 |                     |                                       | $\bigcirc$ |           |
| 08                 |                     |                                       |            |           |

| No. of   | Current Rating        |    |  |  |  |
|----------|-----------------------|----|--|--|--|
| Contacts | 10A                   | 5A |  |  |  |
| 02       | -                     | -  |  |  |  |
| 03       | H332F0B0-031Q70-1R19P | -  |  |  |  |
| 04       | -                     | -  |  |  |  |
| 05       | -                     | -  |  |  |  |
| 06       | -                     | -  |  |  |  |
| 08       | <u>-</u>              | -  |  |  |  |





#### Panel Type - Female



| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Rear Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Female  |
| Contact Type     | DIP   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Circular  |

| No. of<br>Contacts | 10A        | 5A   | 10A<br>+5A | 5A<br>+2A | No. of   | Current | Rating                |
|--------------------|------------|--|------------|-----------|----------|---------|-----------------------|
| 02                 | $\bigcirc$ | $\bigcirc \bigcirc \bigcirc$                   |            |           | Contacts | 10A+5A  | 5A+2A                 |
| 03                 | Ö          | $\bigcirc \bigcirc \bigcirc \bigcirc \bigcirc$ |            |           | 02       | -       | -                     |
| 04                 |            | $\bigcirc \bigcirc \bigcirc \bigcirc$          |            |           | 03       | -       | -                     |
| 05                 |            | $\bigcirc \bigcirc \bigcirc \bigcirc$          |            |           | 04       |         | -                     |
| 06                 |            |  | Õ          |           | 05       | -       | -                     |
| 08                 |            |  |            |           | 06       | -<br>-  | -                     |
|                    |            |  |            |           | 08       | -       | H331F0B0-081Q70-1R09P |

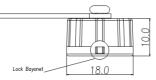
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Сар





| Description                   | Details                     |
|-------------------------------|-----------------------------|
| Material                      | Waterproof Cap : Nylon + GF |
| Connector Type to Mate With   | Panel or Cable              |
| Connector Gender to Mate With | Male or Female              |
| Locking System                | Bayonet Locking             |
| Style                         | With Rubber Lead            |
| P/N                           | HT30M0B0-000Q40-2Y09P       |

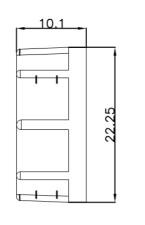


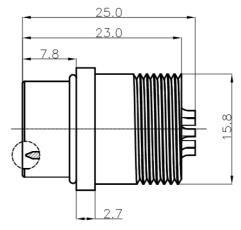


#### **C Size Series Waterproof Connectors**

#### Cable Type - Male







| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

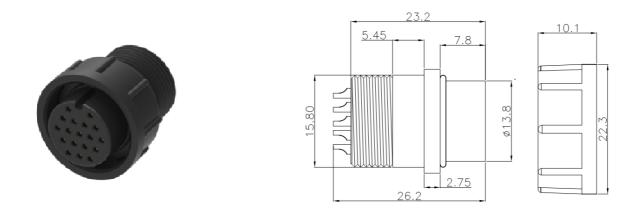
| No. of<br>Contacts | 20A | 10A  | 5A   | 2A |
|--------------------|-----|--|--|----|
| 03                 |     |  |  |    |
| 04                 |     | $\begin{pmatrix} \circ & \circ \\ \circ & \circ \end{pmatrix}$                           |  |    |
| 05                 |     | $(\overset{\circ}{\overset{\circ}{_{\circ}}}\overset{\circ}{\overset{\circ}{_{\circ}}})$ |  |    |
| 06                 |     |  |  |    |
| 07                 |     |  | $\begin{pmatrix} & & & \\ & & & & \\ & & & \\ & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & $  |    |
| 08                 |     |  | $\begin{pmatrix} & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & $ |    |
| 09                 |     |  | $(\overset{\circ}{\overset{\circ}{\underset{\circ}{\overset{\circ}{\overset{\circ}{\overset{\circ}{\overset{\circ}{\overset{\circ}{$   |    |
| 10                 |     |  |  |    |

| No. of   | Current Rating |                       |  |  |  |
|----------|----------------|-----------------------|--|--|--|
| Contacts | 10A            | 5A                    |  |  |  |
| 04       | -              | -                     |  |  |  |
| 05       | -              | -                     |  |  |  |
| 07       | -              | H232M0C0-071Q70-1C09P |  |  |  |
| 08       | -              | H232M0C0-081Q70-1C09P |  |  |  |
| 09       | -              | H232M0C0-091Q70-1C09P |  |  |  |
|          |                |                       |  |  |  |
|          |                |                       |  |  |  |
|          |                |                       |  |  |  |





### **Cable Type - Female**



| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

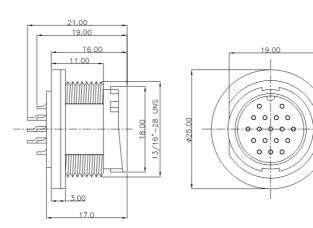
| No. of<br>Contacts | 20A | 10A        | 5A                                      | 2A    | No. of   |                           | Current                   | t Rating                  |                           |
|--------------------|-----|------------|---|-------|----------|---------------------------|---------------------------|---------------------------|---------------------------|
| 03                 | 600 |            |   |       | Contacts | 20A                       | 10A                       | 5A                        | 2A                        |
| 04                 |     | 0000       |   |       | 03       | H332F0C0-031Q70<br>-1C09P | -                         | -                         | -                         |
| 05                 |     | 6.0%       |   |       | 04       | -                         | H332F0C0-041Q70<br>-1C09P | -                         | -                         |
| 06<br>07           |     | 000<br>000 | 0000                                    |       | 05       | -                         | H332F0C0-051Q70<br>-1C09P | -                         | -                         |
| 08                 |     |            | 000<br>0000                             |       | 08       | -                         | -                         | -                         | -                         |
| 09                 |     |            | 0000                                    |       | 09       | -                         | -                         | -                         | -                         |
| 10                 |     |            | 00000                                   |       | 10       | -                         | -                         | -                         | -                         |
| 12                 |     |            | 000000000000000000000000000000000000000 |       | 12       | -                         | -                         | -                         | -                         |
| 14                 |     |            | 000000000000000000000000000000000000000 |       | 14       | -                         | -                         | H332F0C0-141Q70<br>-1C09P | -                         |
| 18                 |     |            |   | 00000 | 18       | -                         | -                         | -                         | H332F0C0-181Q70<br>-1C09P |





#### Panel Type - Male





| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Rear Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Circular  |

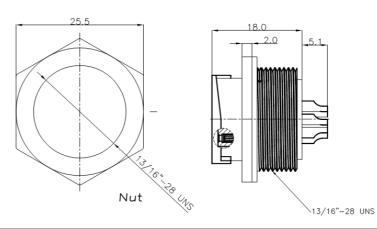
| No. of<br>Contacts | 20A1( | 0A 5A                                   | A 2A                                    | No. of   |                       | Current Rating        |                       |                       |
|--------------------|-------|---|---|----------|-----------------------|-----------------------|-----------------------|-----------------------|
| 03                 | 000   |   |   | Contacts | 20A                   | 10A                   | 5A                    | 2A                    |
| 04                 | 6     | 60                                      |   | 03       | H232M0C0-031Q70-1R09P | -                     | -                     | -                     |
| 05                 | 0     |   |   | 04       | _                     | H232M0C0-041Q70-1R09P | _                     | -                     |
| 06                 | 00    |   |   | 05       |                       | H232M0C0-051Q70-1R09P |                       |                       |
| 07                 |       | 0000                                    |   |          | -                     | H232M0C0-031Q70-1K03P | -                     | -                     |
| 08                 |       | 00000                                   |   | 08       | -                     | -                     | -                     | -                     |
| 09                 |       | 0000                                    |   | 09       | -                     | -                     | -                     | -                     |
| 10                 |       | 0000                                    |   | 10       | -                     | -                     | -                     | -                     |
| 12                 |       | 00000                                   | 00                                      | 12       | -                     | -                     | -                     | -                     |
| 14                 |       | 000000000000000000000000000000000000000 |   | 14       | -                     | -                     | H232M0C0-141Q70-1R09P | -                     |
| 18                 |       |   | 000000000000000000000000000000000000000 | 18       | -                     | -                     | -                     | H232M0C0-181Q70-1R09I |





#### Panel Type - Female





| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Front Mount )   |
| Connector Gender | Male  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Circular  |

| No. of<br>Contacts | 20A | 10A   | 5A  | 2A |
|--------------------|-----|---|---|----|
| 03                 |     |   |   |    |
| 04                 |     | $\begin{pmatrix} \circ & \circ \\ \circ & \circ \end{pmatrix}$                  |   |    |
| 05                 |     | $\begin{pmatrix} \circ & \circ \\ \circ & \circ \\ \circ & \circ \end{pmatrix}$ |   |    |
| 06                 |     |   |   |    |
| 07                 |     |   | $\begin{pmatrix} & & & \\ & & & & \\ & & & \\ & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & $ |    |
| 08                 |     |   | $\begin{pmatrix} & & & \\ & & & & \\ & & & \\ & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & $ |    |
| 09                 |     |   | $(\overset{\circ}{\overset{\circ}{}}\overset{\circ}{\overset{\circ}{}}\overset{\circ}{\overset{\circ}{$   |    |
| 10                 |     |   |   |    |

| No. of   | Current Rating |                       |  |  |
|----------|----------------|-----------------------|--|--|
| Contacts | 10A            | 5A                    |  |  |
| 04       | -              | -                     |  |  |
| 05       | -              | -                     |  |  |
| 07       | -              | H332F0C0-071Q70-1F09P |  |  |
| 08       | -              | H332F0C0-081Q70-1F09P |  |  |
| 09       | -              | H332F0C0-091Q70-1F09P |  |  |
|          |                |                       |  |  |
|          |                |                       |  |  |
|          |                |                       |  |  |



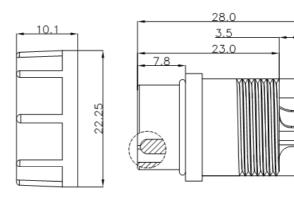


#### **C Size Series Waterproof Connectors**

15.8

#### Cable Type -Male (Power)





| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

| No. of<br>Contacts | 20A | 10A | 5A | 2A |
|--------------------|-----|-----|----|----|
| 03                 | 000 |     |    |    |
| 04                 |     |     |    |    |
| 05                 |     |     |    |    |
| 06                 |     |     |    |    |
| 07                 |     |     |    |    |
| 08                 |     |     |    |    |
| 09                 |     |     |    |    |
| 10                 |     |     |    |    |
| 12                 |     |     |    |    |
| 14                 |     |     |    |    |
| 18                 |     |     |    |    |

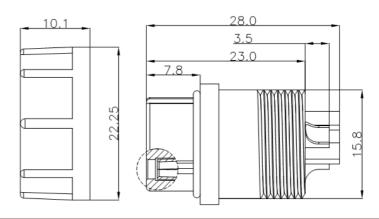
| No. of   | Current Rating        |
|----------|-----------------------|
| Contacts | 20A                   |
| 03       | H232M0C0-031Q70-1C09P |





#### Cable Type - Female ( Power )





| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

| No. of<br>Contacts | 20A | 10A | 5A | 2A |
|--------------------|-----|-----|----|----|
| 03                 | 000 |     |    |    |
| 04                 |     |     |    |    |
| 05                 |     |     |    |    |
| 06                 |     |     |    |    |
| 07                 |     |     |    |    |
| 08                 |     |     |    |    |
| 09                 |     |     |    |    |
| 10                 |     |     |    |    |
| 12                 |     |     |    |    |

| No. of<br>Contacts | Current Rating        |
|--------------------|-----------------------|
|                    | 20A                   |
| 03                 | H332F0C0-031Q70-1C19P |





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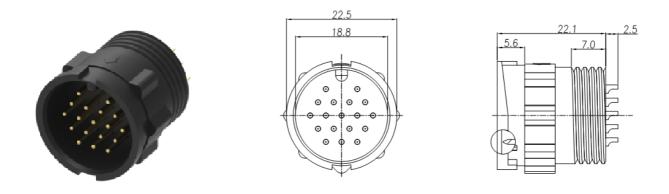


| Description                   | Details                     |
|-------------------------------|-----------------------------|
| Material                      | Waterproof Cap : Nylon + GF |
| Connector Type to Mate With   | Panel Mount or Cable        |
| Connector Gender to Mate With | Male or Female              |
| Locking System                | Bayonet Locking             |
| Style                         | With Rubber Lead            |
| P/N                           | HT30M0C0-000Q40-2Y09P       |





#### Cable Type - Male



| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

| No. of<br>Contacts | 20A        | 5A    | 2A        | No. of   | Current Rating        |                       |  |
|--------------------|------------|-------|-----------|----------|-----------------------|-----------------------|--|
| 02                 | 000        |       |           | Contacts | 20A                   | 5A                    |  |
|                    |            |       |           | 02       | -                     | -                     |  |
| 03                 |            |       |           | 03       | -                     | -                     |  |
| 04                 | $\bigcirc$ |       |           | 04       | H232M0D0-041Q70-1C09P | -                     |  |
| 05                 |            |       |           | 05       | H232M0D0-051Q70-1C09P | -                     |  |
| 06                 | 0000       |       |           | 06       | -                     | -                     |  |
| 07                 | 0000       |       |           | 07       | -                     | -                     |  |
| 18                 |            | 00000 |           | 18       | -                     | H232M0D0-181Q70-1C09P |  |
| 20                 |            |       | (<br><br> | 20       | -                     | -                     |  |

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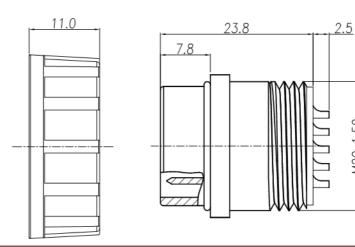




M20x1.50

#### Cable Type - Male





| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

| No. of<br>Contacts | 20A | 5A    | 2A | No. of   | Current Rating        |
|--------------------|-----|-------|----|----------|-----------------------|
| 02                 |     |       |    | Contacts | 5A                    |
| 03                 |     |       |    | 18       | H232M0D0-181Q70-1C19P |
| 04                 |     |       |    |          |                       |
|                    |     |       |    |          |                       |
| 05                 |     |       |    |          |                       |
| 06                 |     |       |    |          |                       |
| 07                 |     |       |    |          |                       |
| 18                 |     | 00000 |    |          |                       |
| 20                 |     |       |    |          |                       |

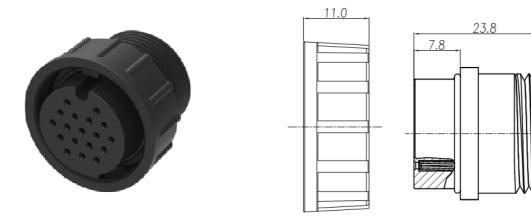




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120×1.50

#### **Cable Type -Female**



| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Cable ( Over-Molding )  |
| Connector Gender | Female  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | -   |

| No. of<br>Contacts | 20A | 5A    | 2A  | No. of   | Current               | Current Rating        |  |  |
|--------------------|-----|-------|---|----------|-----------------------|-----------------------|--|--|
| 02                 | 000 |       |   | Contacts | 20A                   | 5A                    |  |  |
|                    |     |       |   | 02       | -                     | -                     |  |  |
| 03                 |     |       |   | 03       | -                     | -                     |  |  |
| 04                 | 00  |       |   | 04       | H332F0D0-041Q70-1C09P | -                     |  |  |
| 05                 |     |       |   | 05       | H332F0D0-051Q70-1C09P | -                     |  |  |
| 06                 | 000 |       |   | 06       | -                     | -                     |  |  |
| 07                 |     |       |   | 07       | H332F0D0-071Q70-1C09P | -                     |  |  |
| 18                 |     | 00000 |   | 18       | -                     | H332F0D0-181Q70-1C09P |  |  |
|                    |     |       |   | 20       | -                     | _                     |  |  |
| 20                 |     |       | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |          |                       |                       |  |  |

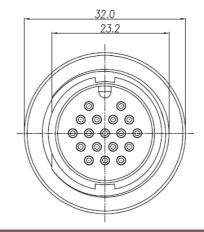
**B.C.E. s.r.l.** Via Regina Pacis, 54/c - 41049 SASSUOLO (MO) Italy Tel. +39 0536 811.616 r.a. - Fax +39 0536 811.500 www.bce.it - E-mail: bce@bce.it

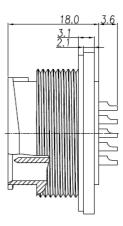




#### Panel Type - Male

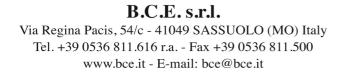




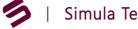


| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Rear Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Circular  |

| No. of<br>Contacts | 20A        | 5A                                    | 2A | No. of   | Current Rating        |                       |                       |
|--------------------|------------|---------------------------------------|----|----------|-----------------------|-----------------------|-----------------------|
| 02                 | 00         |                                       |    | Contacts | 20A                   | 5A                    | 2A                    |
| 03                 | $\bigcirc$ |                                       |    | 04       | -                     | -                     | -                     |
| 04                 |            |                                       |    | 05       | H232M0D0-051Q00-1R09P | -                     | -                     |
| 05                 |            |                                       |    | 06       | -                     | -                     | -                     |
| 06                 | 000        |                                       |    | 07       | H232M0D0-071Q00-1R09P | -                     | -                     |
| 07                 | 0000       |                                       |    | 18       | -                     | H232M0D0-181Q00-1R09P | -                     |
| 18                 | 00         | 0<br>00000<br>000000<br>00000<br>0000 |    | 20       | -                     | -                     | H232M0D0-201Q00-1R09P |
|                    |            |                                       |    | 21       | -                     | -                     | H232M0D0-211Q00-1R09P |
| 20                 |            |                                       |    | 22       | -                     | -                     | H232M0D0-221Q00-1R09P |
| 21                 |            |                                       |    |          |                       |                       |                       |



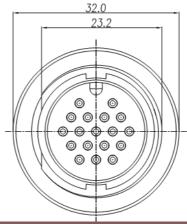
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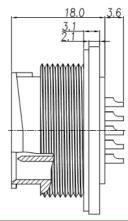




#### Panel Type - Male







| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Rear Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Male  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Square  |

| No. of<br>Contacts | 20A  | 5A                                      | 2A | No. of   | Current Rating        |                       |    |
|--------------------|------|---|----|----------|-----------------------|-----------------------|----|
| 02                 | 00   |   |    | Contacts | 20A                   | 5A                    | 2A |
| 03                 | 00   |   |    | 02       | -                     | -                     | `- |
| 0.5                |      |   |    | 03       | -                     | -                     | -  |
| 04                 | 00   |   |    | 04       | -                     | -                     | -  |
| 05                 | 0000 |   |    | 05       | H232M0D0-051Q00-1R09P | -                     | -  |
| 06                 | 0000 |   |    | 06       | -                     | -                     | -  |
| 07                 |      |   |    | 07       | H232M0D0-071Q00-1R09P | -                     | -  |
| 18                 |      | 0000<br>00000<br>00000<br>00000<br>0000 |    | 18       | -                     | H232M0D0-181Q00-1R09P | -  |
| .0                 |      | 0000                                    |    | 20       | -                     | -                     | -  |
| 20                 |      |   |    |          | T                     | -                     |    |

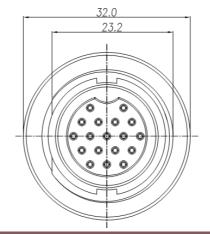
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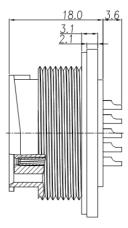




#### Panel Type - Female







| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Rear Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin   |
| Locking System   | Bayonet Locking   |
| Flange Type      | Circular  |

| No. of<br>Contacts | 20A | 5A                                      | 2A |
|--------------------|-----|---|----|
| 02                 |     |   |    |
| 03                 |     |   |    |
| 04                 |     |   |    |
| 05                 |     |   |    |
| 06                 |     |   |    |
| 07                 |     |   |    |
| 18                 |     | 000000000000000000000000000000000000000 |    |
| 20                 |     |   |    |

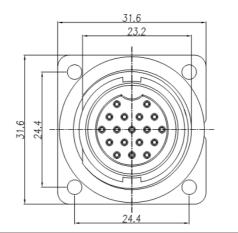
| No. of   | Current Rating        |
|----------|-----------------------|
| Contacts | 5A                    |
| 18       | H332F0D0-181Q70-1R19P |

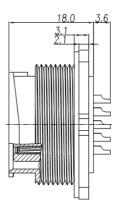




#### Panel Type - Female







| Description      | Details   |
|------------------|---|
| Material         | Connector Body : Nylon + GF,<br>Contacts: Copper Alloy, Gold Plated |
| Connector Type   | Panel ( Rear Mount )  |
| Connector Gender | Male  |
| Contact Gender   | Female  |
| Contact Type     | Solder Bucket Pin`  |
| Locking System   | Bayonet Locking   |
| Flange Type      | Square  |

| No. of<br>Contacts | 20A | 5A                                      | 2A |
|--------------------|-----|---|----|
| 02                 |     |   |    |
| 03                 |     |   |    |
| 04                 |     |   |    |
| 05                 |     |   |    |
| 06                 |     |   |    |
| 07                 |     |   |    |
| 18                 |     | 000000000000000000000000000000000000000 |    |
| 20                 |     |   |    |

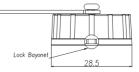
| No. of<br>Contacts | Current Rating        |
|--------------------|-----------------------|
|                    | 5A                    |
| 18                 | H232M0D0-181Q70-1R09P |





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| Description                   | Details                     |
|-------------------------------|-----------------------------|
| Material                      | Waterproof Cap : Nylon + GF |
| Connector Type to Mate With   | Panel Mount or Cable        |
| Connector Gender to Mate With | Male or Female              |
| Locking System                | Bayonet Locking             |
| Style                         | With Rubber Lead            |
| P/N                           | HT30M0D0-000Q40-2Y09P       |





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