

A series Break Away Connector IP68 Waterproof

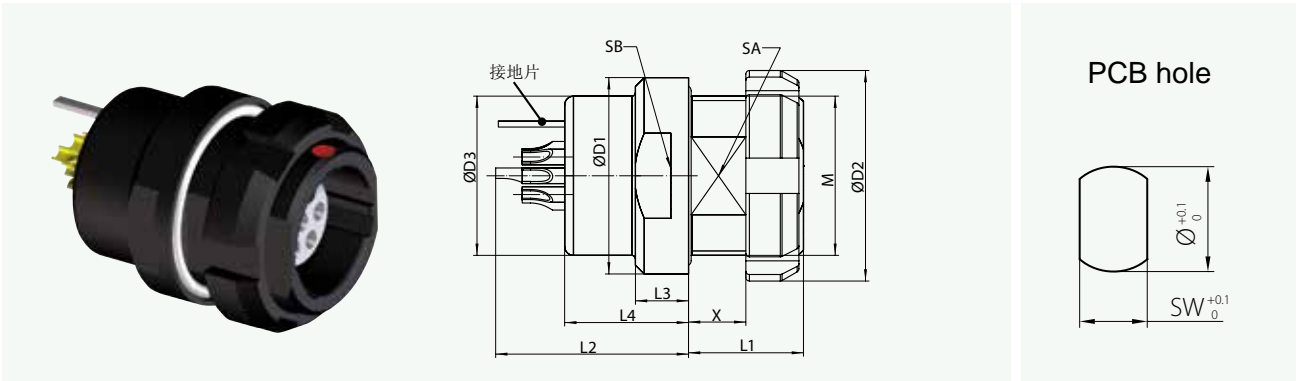


A series part number rule

| Number | Discription | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|--------|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|
| | | T | 1 | 1 | A | A | R | — | P | 0 | 8 | X | F | G | 0 | — | 0 | 0 | 0 | 0 |
| 1 | Style: Straight plug TX Free socket F1 Socket ZX | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | |
| 3 | Size: 0 | | | | | | | | | | | | | | | | | | | |
| 4 | Series: A | | | | | | | | | | | | | | | | | | | |
| 5 | Coding: A-D | | | | | | | | | | | | | | | | | | | |
| 6 | Shell matrial / plating R | | | | | | | | | | | | | | | | | | | |
| 8 | Insulater material :P | | | | | | | | | | | | | | | | | | | |
| 9 | Contact number: 3/4/9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |
| 11 | Pin/socket style | | | | | | | | | | | | | | | | | | | |
| 12 | Pin / Socket diameter | | | | | | | | | | | | | | | | | | | |
| 13 | Terminal area | | | | | | | | | | | | | | | | | | | |
| 14 | 0 | | | | | | | | | | | | | | | | | | | |
| 16 | 0 | | | | | | | | | | | | | | | | | | | |
| 17 | Front nut: 0 (Standard) | | | | | | | | | | | | | | | | | | | |
| 18 | 0 | | | | | | | | | | | | | | | | | | | |
| 19 | Socket grand pin: L | | | | | | | | | | | | | | | | | | | |

Socket (ZX)

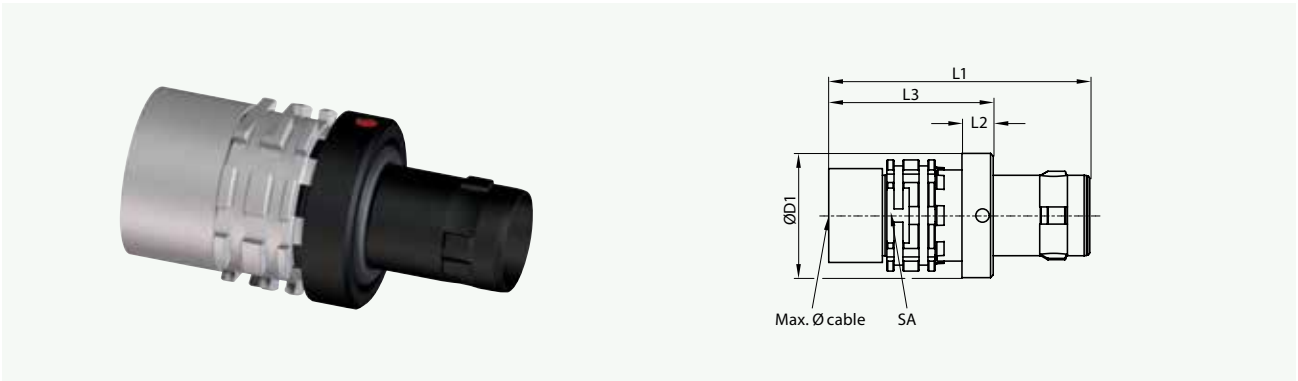
Z X IP68



| unit (mm) | | | | | | | | | | | | PCB hole size | |
|-------------|------|-------|-----|-----|------|------|------|-----|------|----|-------|---------------|-----|
| Size | L1 | L2 | L3 | L4 | X | D1 | D2 | D3 | SA | SB | M | SW | Ø |
| 0 | ~6.5 | ~11.0 | 3.0 | 7.0 | ~3.0 | 11.1 | 11.9 | 9.0 | 7.85 | 10 | 9×0.5 | 8.0 | 9.1 |

Plug (TX)

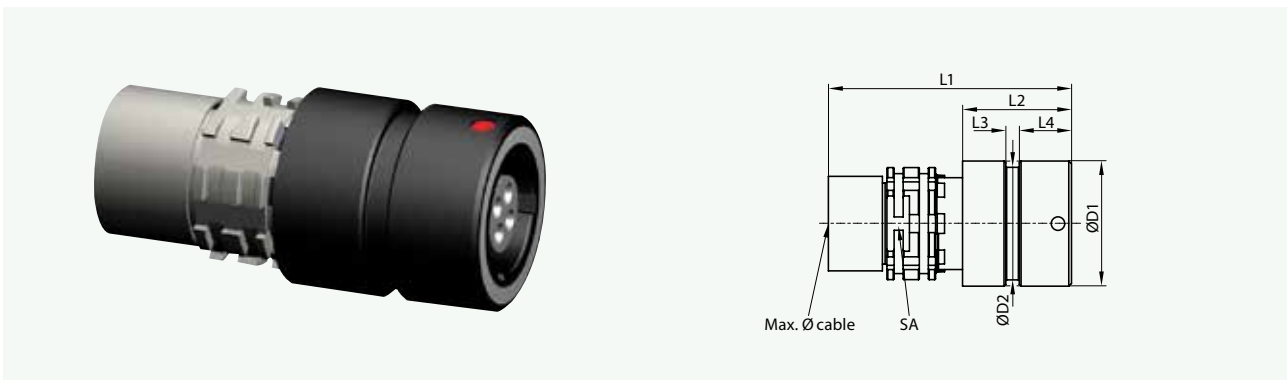
T X IP68, Break away plug



| Unit (mm) | | | | | | |
|-------------|------|-----|------|------|----|-----------------|
| Size | L1 | L2 | L3 | D1 | SA | Max. Cable dia. |
| 0 | 24.0 | 3.0 | 15.0 | 11.9 | 10 | 7.5 |

Free socket (F1)









F 1 IP68, Free socket



| unit (mm) | | | | | | | | |
|-------------|------|------|-----|-----|------|------|----|-----------------|
| Size | L1 | L2 | L3 | L4 | D1 | D2 | SA | Max. cable dia. |
| 0 | 25.0 | 13.0 | 1.5 | 5.8 | 11.9 | 10.5 | 9 | 7.5 |
| | | | | | | | | |
| | | | | | | | | |

Coding, Shell material and surface plating

Coding

| Coding | Socket front view | Color coding | |
|--------|--|--|-------|
| A |  |  | Black |
| B |  |  | Red |
| C |  |  | Blue |
| D |  |  | Green |

Shell material and surface plating

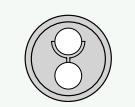
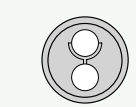
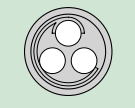
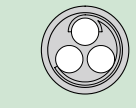


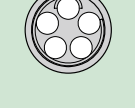









| Code | Shell material and surface plating |
|------|------------------------------------|
| R | aluminium alloy Chrome plated |

Insulator material

PEEK , Turn contact

| Code | Terminal | PEEK |
|------|----------|------|
| P | Solder | ● |
| | PCB | ● |

Contact number Size 0

| Size | Insulator | Contact number | | Pin dia. mm | Current A | Pin to pin voltage K V | Working voltage K V | Terminal | | Solder side view | |
|------|-----------|----------------|---|-------------|-----------|------------------------|---------------------|----------|-----|---|---|
| | | | | | | | | Solder | PCB | Pin | Socket |
| 0 | P | 0 | 2 | 0.9 | 10 | 1.200 | 0.400 | ● | ● |  |  |
| 0 | P | 0 | 3 | 0.9 | 10 | 1.200 | 0.400 | ● | ● |  |  |
| 0 | P | 0 | 4 | 0.7 | 7 | 0.900 | 0.300 | ● | ● |  |  |
| 0 | P | 0 | 5 | 0.7 | 7 | 0.900 | 0.300 | ● | ● |  |  |
| 0 | P | 0 | 6 | 0.5 | 5 | 0.900 | 0.300 | ● | ● |  |  |
| 0 | P | 0 | 7 | 0.5 | 5 | 0.900 | 0.300 | ● | ● |  |  |
| 0 | P | 0 | 9 | 0.5 | 5 | 0.600 | 0.200 | ● | ● |  |  |
| 0 | P | 1 | 0 | 0.5 | 5 | 0.600 | 0.200 | ● | ● |  |  |

Pin / Socket style, Surface & Pin / Socket diameter

| Style | Code | Surface plating |
|--------|------|-----------------------------|
| Socket | W | L-1 $\mu\text{m Au}$ (min.) |
| Pin | X | L-1 $\mu\text{m Au}$ (min.) |
| Socket | U | P-1 $\mu\text{m Au}$ (min.) |
| Pin | V | P-1 $\mu\text{m Au}$ (min.) |

L= Solder

P=PCB

Pin / Socket diameter

| Pin / Socket dia. | Code |
|-------------------|------|
| 0.50 | C |
| 0.70 | F |
| 0.90 | J |
| 1.30 | P |
| 2.0 | T |

Pin / Socket dia. & Terminal area

Solder

| size | pin / socket dia. mm | pin / socket dia. code | Terminal area code | Terminal area | |
|------|----------------------|------------------------|--------------------|---------------|-----------------|
| | | | | AWG | mm ² |
| 0 | 0.5 | C | D | 26 | 0.15 |
| 0 | 0.7 | F | G | 22 | 0.38 |
| 0 | 0.9 | J | G | 22 | 0.38 |

PCB

| size | pin / Socket dia. mm | pin / socket dia. code | Terminal area code | Terminal area | | Terminal dia. |
|------|----------------------|------------------------|--------------------|---------------|-----------------|---------------|
| | | | | AWG | mm ² | |
| 0 | 0.5 | C | 0 | | | 0.5 |
| 0 | 0.7 | F | 0 | | | 0.5 |
| 0 | 0.9 | J | 0 | | | 0.7 |

Cable Assembly and applications

