

## Waterproof Power Connectors



### Features

- Protection Rating: IP68
- Gold-plated contacts, corrosion-resistant and low resistance.
- Flame-retardant housing, impact-resistant and weatherproof.

### Characteristics

- Contact pins are turned from solid material

### Weblinks

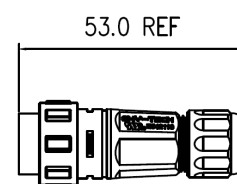
[Dimension Drawing](#)、[Detailed request for product](#)

### Technical Data

#### CWAP-FCTS-G02P-B(A)



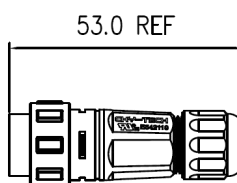
- ◆ Type: Male
- ◆ Number of Contacts: 2 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size: USR Copper Wire 14–24AWG
- ◆ Note: Contacts supplied separately



#### CWAP-FCTS-G02P-B(B)



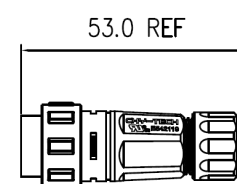
- ◆ Type: Male
- ◆ Number of Contacts: 2 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size: USR Copper Wire 14–24AWG
- ◆ Note: Contacts supplied separately



#### CWAP-FCTS-G02P-B(C)



- ◆ Type: Male
- ◆ Number of Contacts: 2 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size: USR Copper Wire 14–24AWG
- ◆ Note: Contacts supplied separately



## CWAP-FCTS-G03S-B

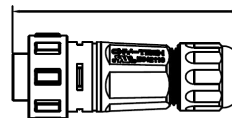


- ◆ Type: Female
- ◆ Number of Contacts: 3 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size:  
USR Copper Wire 18–24AWG  
CNR Copper Wire 18–20AWG
- ◆ Note: Contacts supplied separately

19.90 REF



52.0 REF



## CWAP-FCTS-G04P-B

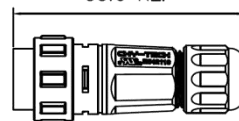


- ◆ Type: Male
- ◆ Number of Contacts: 4 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size:  
USR Copper Wire 20–26AWG  
CNR Copper Wire 20–22AWG
- ◆ Note: Contacts supplied separately

19.90 REF



53.0 REF



## CWAP-FCTS-G06P-B

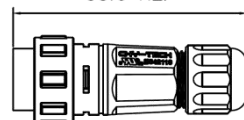


- ◆ Type: Male
- ◆ Number of Contacts: 6 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size:  
USR Copper Wire 20–26AWG  
CNR Copper Wire 20–22AWG
- ◆ Note: Contacts supplied separately

19.90 REF



53.0 REF



## CWAP-FCTS-G08P-B

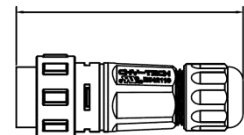


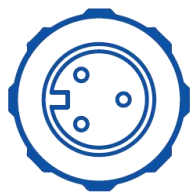
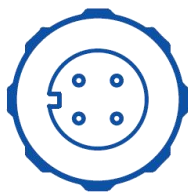
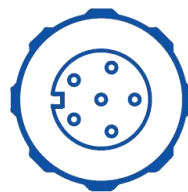
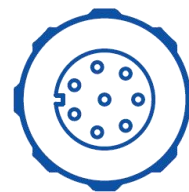
- ◆ Type: Male
- ◆ Number of Contacts: 8 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size:  
USR Copper Wire 20–26AWG  
CNR Copper Wire 20–22AWG
- ◆ Note: Contacts supplied separately

19.90 REF



53.0 REF



2 Contacts  
(10 Amp)3 Contacts  
(8 Amp)4 Contacts  
(5 Amp)6 Contacts  
(5 Amp)8 Contacts  
(5 Amp)**Electrical Specifications:**

| Contacts | Current Rating | Contact Resistance               | Insulation Resistance          |
|----------|----------------|----------------------------------|--------------------------------|
| 2        | 10A/250 VAC    | Initial $\leq 5 \text{ m}\Omega$ | 2000 M $\Omega$ MIN. @ 500 VDC |
| 3        | 8A /250 VAC    | Initial $\leq 5 \text{ m}\Omega$ | 2000 M $\Omega$ MIN. @ 500 VDC |
| 4,6,8    | 5A /125 VAC    | Initial $\leq 5 \text{ m}\Omega$ | 2000 M $\Omega$ MIN. @ 500 VDC |

**Mechanical:**

| Contacts | Insertion Force | Withdrawal Force | Operating Life  |
|----------|-----------------|------------------|-----------------|
| 2        | 19N             | 12N              | 1000 Cycles Min |
| 3,4,6,8  | 25N             | 17N              | 1000 Cycles Min |

**Material:**

|                             |                           |
|-----------------------------|---------------------------|
| <b>Body Mouldings:</b>      | Polyamide                 |
| <b>Flammability Rating:</b> | UL94V-0                   |
| <b>Contacts:</b>            | Copper alloy, Gold plated |
| <b>O Rings:</b>             | Silicon Rubber            |

**Other:**

|                               |                         |
|-------------------------------|-------------------------|
| <b>Waterproof Rating:</b>     | IP68                    |
| <b>UL Certification No.:</b>  | E542119                 |
| <b>Operating Temperature:</b> | -40° C ~ +80° C         |
| <b>RoHS Compliance:</b>       | Meets RoHS Requirements |

## Product standards

Product standards that are referenced

| Organization                                                                      | Design                | Standard       | Description                                                                                                                                        |
|-----------------------------------------------------------------------------------|-----------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Designed according to | IEC 60529:2013 | Degrees of protection provided by enclosures (IP Code)                                                                                             |
|  | Designed according to | IEC 61984:2008 | Connectors — Safety requirements and tests                                                                                                         |
|  | Designed according to | UL/cUL         | Standard for Component Connectors for Use in Data, Signal, Control and Power Applications/Special Use Attachment Plugs, Receptacles and Connectors |

## Application standards

Application standards where the product can be used

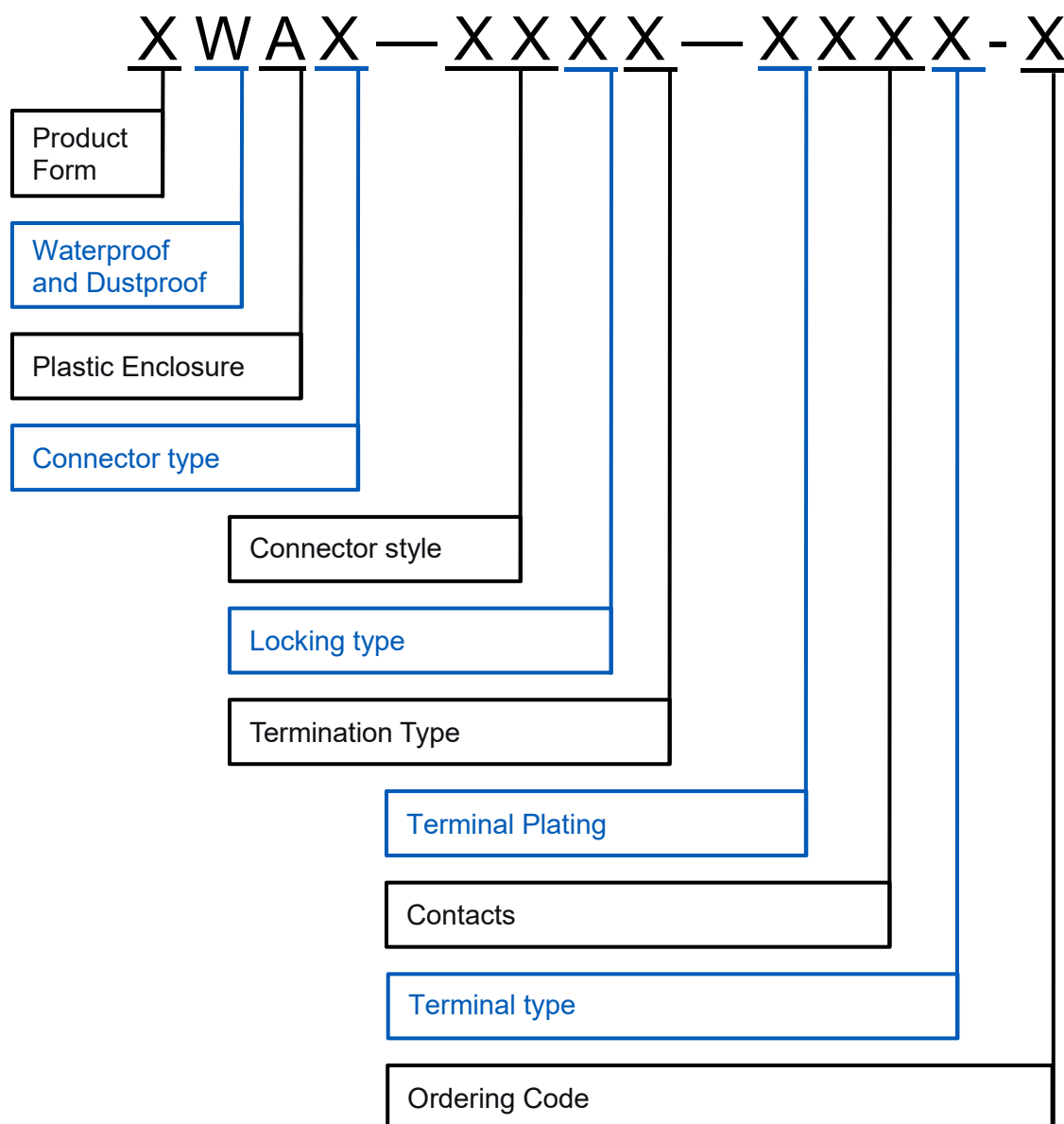
| Organization                                                                        | Design       | Standard    | Description                                         |
|-------------------------------------------------------------------------------------|--------------|-------------|-----------------------------------------------------|
|  | Suitable for | IEC 60598-1 | Luminaires — Part 1: General requirements and tests |

## Compliances

The product complies with following Guide Lines

| Organization                                                                        | Details | Initiator | Description                                                                                                                                                             |
|-------------------------------------------------------------------------------------|---------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | RoHS    | CHY-TECH  | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863                                                                                                                      |
|  | REACH   | CHY-TECH  | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |

### Product Nomenclature:



**Product Form:** C(circular)、R(rectangle)

**Connector type:** P(plug)、S(socket)、A(accessories)

**Connector style:** FC(flex cable connector)、FP(front panel mounting connector)  
RP(rear panel mounting connector)、AP(front or back panel mounting connector)

**Locking type:** B(bayonet)、T(thread)、P(push-pull)

**Termination Type:** C(crimp)、S(solder)、L(screw)、P(PCB through-hole)

**Terminal Plating:** N(nickel)、T(tin)、G(gold)

**Contacts:** 02、03、04、06、08……

**Terminal type:** S(socket)、P(pin)

**Ordering Code:** B(with contacts)、N(without contacts)