

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

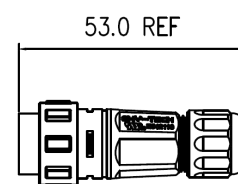
[Dimension Drawing](#)、[Detailed request for product](#)

Technical Data

CWAP-FCTS-G02P-B(A)



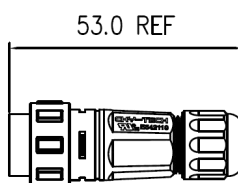
- ◆ Type: Male
- ◆ Number of Contacts: 2 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size: USR Copper Wire 14–24AWG
- ◆ Note: Contacts supplied separately



CWAP-FCTS-G02P-B(B)



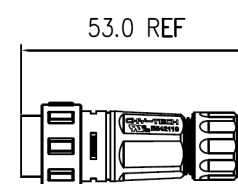
- ◆ Type: Male
- ◆ Number of Contacts: 2 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size: USR Copper Wire 14–24AWG
- ◆ Note: Contacts supplied separately



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

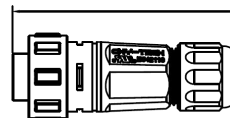


- ◆ Type: Female
- ◆ Number of Contacts: 3 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size:
USR Copper Wire 18–24AWG
CNR Copper Wire 18–20AWG
- ◆ Note: Contacts supplied separately

19.90 REF



52.0 REF



CWAP-FCTS-G04P-B

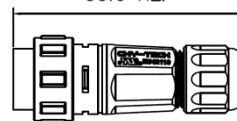


- ◆ Type: Male
- ◆ Number of Contacts: 4 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size:
USR Copper Wire 20–26AWG
CNR Copper Wire 20–22AWG
- ◆ Note: Contacts supplied separately

19.90 REF



53.0 REF



CWAP-FCTS-G06P-B

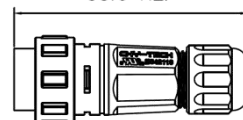


- ◆ Type: Male
- ◆ Number of Contacts: 6 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size:
USR Copper Wire 20–26AWG
CNR Copper Wire 20–22AWG
- ◆ Note: Contacts supplied separately

19.90 REF



53.0 REF



CWAP-FCTS-G08P-B

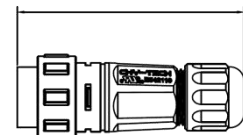


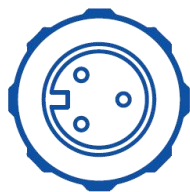
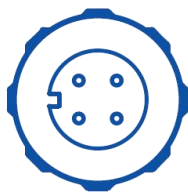
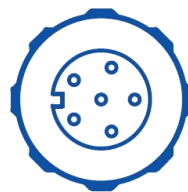
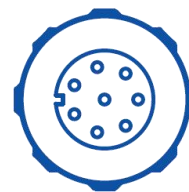
- ◆ Type: Male
- ◆ Number of Contacts: 8 contacts
- ◆ Locking Mechanism: Screw locking ring
- ◆ Applicable Wire Size:
USR Copper Wire 20–26AWG
CNR Copper Wire 20–22AWG
- ◆ Note: Contacts supplied separately

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 Ω MIN. @ 500 VDC
3	8A /250 VAC	Initial $\leq 5 \text{ m}\Omega$	2000 M Ω MIN. @ 500 VDC
4,6,8	5A /125 VAC	Initial $\leq 5 \text{ m}\Omega$	2000 M Ω 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:

Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
Contacts:	Copper alloy, Gold plated
O Rings:	Silicon Rubber

Other:

Waterproof Rating:	IP68
UL Certification No.:	E542119
Operating Temperature:	-40° C ~ +80° C
RoHS Compliance:	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

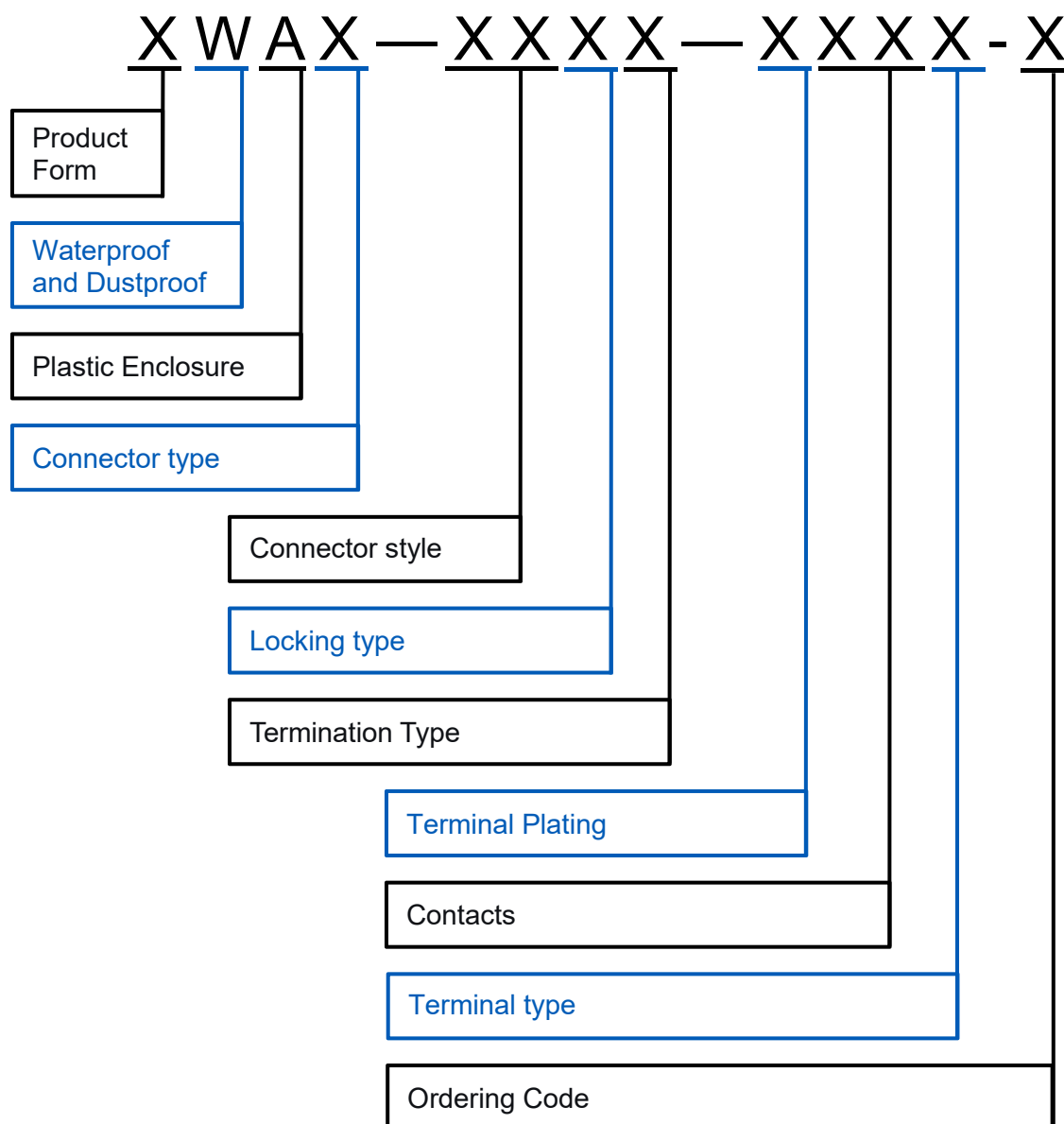
Organization	Design	Standard	Description
	Suitable for	IEC 60598-1	Luminaires — Part 1: General requirements and tests

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)