

|                                                |                                                                                                                                                                  |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Codice articolo</b><br><b>Product code:</b> | <b>2001016</b>                                                                                                                                                   |
| <b>Descrizione</b><br><b>Description:</b>      | <b>PRESA CCS 10G.EXE CAT.6A CHANNEL RJ45 SCHERMATA STP EASY CRIMP - T568A/B</b><br><b>10G.EXE CAT.6A CHANNEL CCS EASY CRIMP SHIELDED STP RJ45 JACK - T568A/B</b> |



#### Descrizione

Presa CCS RJ45 Easy Crimp di Categoria 6A Channel 10G.EXE schermata per canali trasmissivi in Classe EA.  
Supporta applicazioni 10Gigabit Ethernet (IEEE 802.3an).  
Idonea per PoE/PoE+/PoE++ (IEEE 802.3af/at/bt).

#### Description

CAT. 6A Channel 10G.EXE CCS Easy Crimp shielded RJ45 jack for transmission channels of Class EA.  
It supports 10Gigabit Ethernet applications (IEEE 802.3an) and is suitable for PoE/PoE+/PoE++ (IEEE 802.3af/at/bt).

#### Prestazioni

|                |                                                                                                                                                                                                                                                                     |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certificazioni | Force Technology<br>Component Level Categoria 6<br>Canale trasmissivo in Classe EA                                                                                                                                                                                  |
| Standards      | ISO/IEC 11801-1:2017 (Ed. 1.0)<br>ISO/IEC 11801-2:2017 (Ed. 1.0)<br>IEC 60603-7-4:2010 (Ed. 2.0)<br>IEC 60603-7-5:2010 (Ed. 2.0)<br>EN 50173-1: 2011<br>EN 50173-2:2007 incluso amend.<br>A1:2010<br>ANSI/TIA-568-C.2:2009<br>IEC 60512-99-002 (draft 48B/2591/CDV) |

#### Performance

|                |                                                                                                                                                                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certifications | Force Technology<br>Category 6 Component Level<br>Class EA Channel Link                                                                                                                                                                                               |
| Approvals      | ISO/IEC 11801-1:2017 (Ed. 1.0)<br>ISO/IEC 11801-2:2017 (Ed. 1.0)<br>IEC 60603-7-4:2010 (Ed. 2.0)<br>IEC 60603-7-5:2010 (Ed. 2.0)<br>EN 50173-1: 2011<br>EN 50173-2:2007 including amend.<br>A1:2010<br>ANSI/TIA-568-C.2:2009<br>IEC 60512-99-002 (draft 48B/2591/CDV) |

#### Caratteristiche costruttive

|                         |                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tipo di presa           | Presa RJ45 compatibile con lo standard Keystone – T568A/B Easy Crimp                                                                                                          |
| Contatti                | In lega di bronzo placcati oro 50 µm                                                                                                                                          |
| Materiale di isolamento | Termoplastico ad alta resistenza meccanica, ritardante la fiamma tipo UL94V-0                                                                                                 |
| Schermatura             | Rivestimento in lega di zinco                                                                                                                                                 |
| Assemblaggio            | Terminazione universale a perforazione d'isolamento EASY CRIMP per connessioni facili e veloci che non necessitano l'utilizzo di utensili; per conduttori solidi da 22/26 AWG |
| Etichettatura           | Doppia etichetta con schema di connessione T568A/B                                                                                                                            |
| Identificazioni e loghi | Logo CCS, P/N e 10G.EXE                                                                                                                                                       |

#### Construction characteristics

|                     |                                                                                                                                                            |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jack type           | RJ45 jack compatible with Keystone standard- T568A/B Easy Crimp                                                                                            |
| Contacts            | Phosphor bronze alloy plated with 50µm of gold                                                                                                             |
| Insulation material | Polycarbonate, high-impact, flame retardant plastic, UL94V-0 rated                                                                                         |
| Shield              | Zinc alloy coating                                                                                                                                         |
| Assembly            | Easy Crimp termination system for fast and easy connection without the use of tools; for solid or stranded copper conductors of diameter from 22 to 26 AWG |
| Label               | Double label indicating T568A/B connection scheme                                                                                                          |
| Printing            | CCS Logo, P/N and 10G.EXE                                                                                                                                  |

#### Caratteristiche meccaniche

|                              |                                        |
|------------------------------|----------------------------------------|
| Forza totale di tenuta       | Min. 800 gr con tutti gli 8 conduttori |
| Tenuta                       | Min. 135N tra spina e presa            |
| N° cicli di inserzione spine | Min. 750 cicli                         |

#### Mechanical properties

|                           |                                     |
|---------------------------|-------------------------------------|
| Total mating force        | Min. 800 gr for a 8 wire leads      |
| Retention                 | Min. 135N between the jack and plug |
| Insertion-extraction life | Min. 750 cycles                     |

#### Condizioni di utilizzo e stoccaggio

|                           |                              |
|---------------------------|------------------------------|
| Temperatura di stoccaggio | Da -40°C a +80°C             |
| Temperatura di lavoro     | Da -10°C a +60°C             |
| Umidità relativa          | Max. 93% senza condensazione |

#### Environmental conditions

|                       |                            |
|-----------------------|----------------------------|
| Storage temperature   | From -40°C to +80°C        |
| Operating temperature | From -10°C to +60°C        |
| Relative humidity     | Maximum non-condensing 93% |

|                                                |                                                                                                                                                                  |
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#### Caratteristiche elettriche

|                          |                         |
|--------------------------|-------------------------|
| Impedenza caratteristica | 100±15 Ohm              |
| Resistenza di contatto   | Max. 20 mOhm            |
| Corrente limite          | 1,5A a 20°C             |
| Max. tensione di lavoro  | < 50Vac / < 75Vdc       |
| Resistenza di isolamento | MIn. 500 MOhm @ 100 Vdc |
| Tensione di tenuta       | 1,0 kVac per 1 sec      |

#### Electrical properties

|                                 |                         |
|---------------------------------|-------------------------|
| Characteristic impedance        | 100±15 Ohm              |
| Contact resistance              | Max. 20 mOhm            |
| Current rating                  | 1,5A at 20°C            |
| Max. voltage rating             | < 50Vac / < 75Vdc       |
| Insulation resistance           | MIn. 500 MOhm @ 100 Vdc |
| Dielectric withstanding voltage | 1,0 kVac for 1 sec      |

#### Confezionamento

|                         |                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Confezione sacchetto PE | 110x190 mm – 1pz                                                                                                                                                                                                                             |
| Peso                    | 10 gr                                                                                                                                                                                                                                        |
| Ogni confezione include | - 1 presa CCS RJ45 CAT. 6A Channel<br>10G.EXE Easy Crimp schermata<br>- 1 coperchio interno per innesto<br>conduttori<br>- 1 coperchio esterno per la protezione<br>delle terminazioni<br>- 1 tappo antipolvere<br>- Istruzioni assemblaggio |

#### Packaging

|                       |                                                                                                                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packing PE bag        | 110x190 mm – 1 pz                                                                                                                                                                                                   |
| Weight                | 10 gr                                                                                                                                                                                                               |
| Each package includes | - 1 CAT. 6A Channel 10G.EXE CCS Easy<br>Crimp shielded RJ45 jack<br>- 1 internal cap for the fast connection<br>of conductors<br>- 1 cap for the terminations protection<br>- 1 dust cap<br>- Mounting instructions |

#### Garanzia

25 anni sul sistema CCS

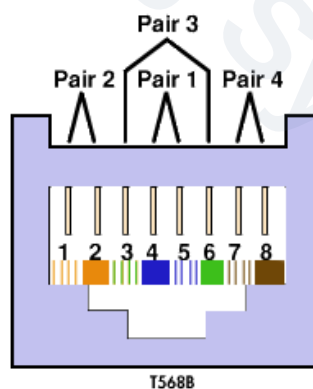
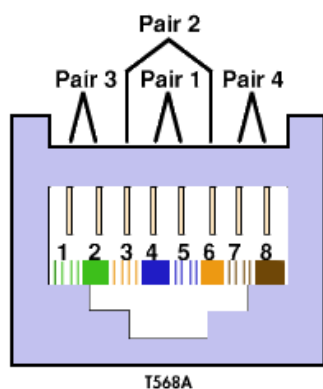
#### Warranty

25 years on the CCS system

#### PROPRIETA' TRASMISSIVE / TRANSMISSION PROPERTIES

| Freq  | Attenuation | NEXT    | FEXT    | RL      |
|-------|-------------|---------|---------|---------|
| MHz   | dB/100m     | dB      | dB      | dB      |
|       | Maximum     | Minimum | Minimum | Minimum |
| 1     | 0,1         | 75      | 75      | 30      |
| 4     | 0,1         | 75      | 71,1    | 30      |
| 8     | 0,1         | 75      | 65      | 30      |
| 16    | 0,1         | 69,9    | 59      | 30      |
| 31.25 | 0,11        | 64,1    | 53,2    | 30      |
| 62.5  | 0,16        | 58,1    | 47,2    | 28,1    |
| 100   | 0,20        | 54      | 43,1    | 24      |
| 200   | 0,28        | 48      | 37,1    | 18      |
| 250   | 0,32        | 46      | 35,1    | 16      |

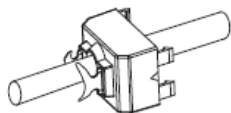
#### SCHEMA ASSEMBLAGGIO / ASSEMBLY SCHEME



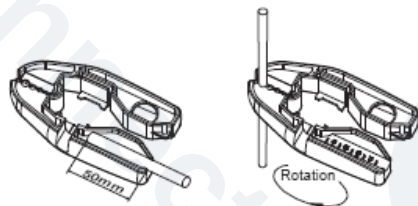
|                                                |                                                                                                                                                                  |
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## PROCEDURA DI ASSEMBLAGGIO

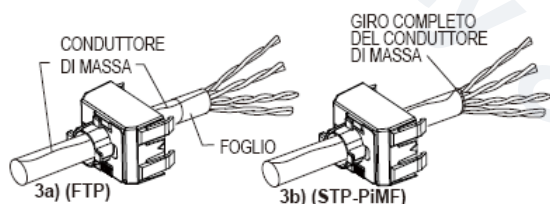
- 1) Inserire sul cavo il coperchio esterno



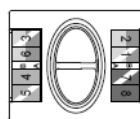
- 2) Tagliare la guaina esterna del cavo per circa 50-80 mm (riferimento misura su CRIMP TOOL Cod. Art. 2004095)



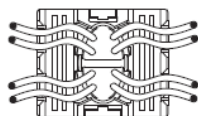
- 3a) Cavo FTP: ripiegare all'indietro il foglio di alluminio e il conduttore di massa come in figura (3a)  
3b) Cavo STP-PiMF: con il conduttore di massa fare almeno un giro completo sui nastri di alluminio disposti sulle single coppie, ripiegare all'indietro e tagliare i singoli schermi come in figura (3b)



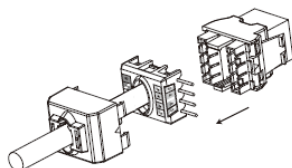
- 4) Seguendo la colorazione di terminazione T568A/B inserire le coppie nel foro del coperchio copri connessioni



- 5) Seguendo la colorazione di terminazione T568A/B inserire i conduttori nelle cavità di inserimento del coperchio copri connessione

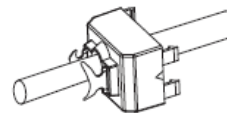


- 6) Seguendo le indicazioni di fissaggio inserire il coperchio copri connessione sulla presa

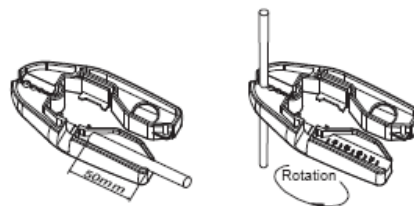


## ASSEMBLY INSTRUCTION

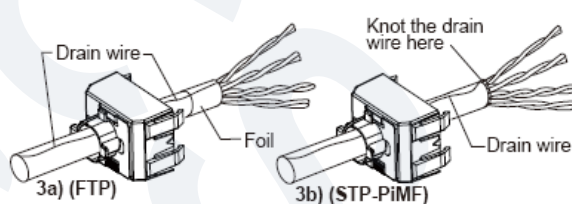
- 1a) Put cable in the outer cap



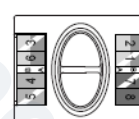
- 2a) Cut cable outer jacket about 50 mm off (measure indicated on CRIMP TOOL Cod. Art. 2004095)



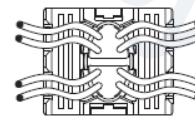
- 3a) Cable FTP: Rip the foil shield then drag the foil and drain wire backward as in figure (3a)  
3b) Cable STP-PiMF: Spiral drain wire on cable itself 1 circle and have a tie first to fix 4 pairs; then rip each single foil shielded pair as in figure (3b)



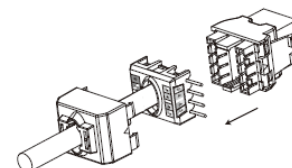
- 4) Put pairs in the protection cap hole according to T568A/B termination colours



- 5) Put conductors in the connection seat of protection cap according to T568A/B termination colours

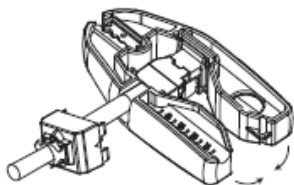


- 6) Put protection connection cap on the plug following the fastening indications

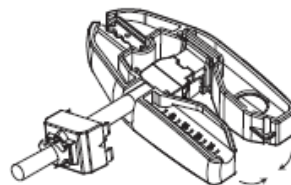


|                                  |                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Codice articolo<br>Product code: | 2001016                                                                                                                                            |
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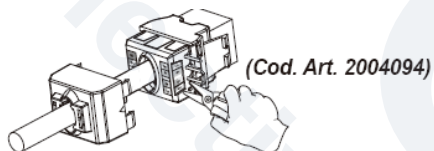
- 7) Con l'attrezzo CRIMP TOOL pressare il coperchio copri connessione sulla presa per la chiusura definitiva della connessioni



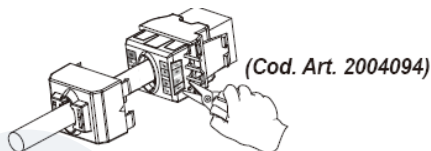
- 7) Press protection connection cap on the plug with CRIMP TOOL for the final fastening of connection



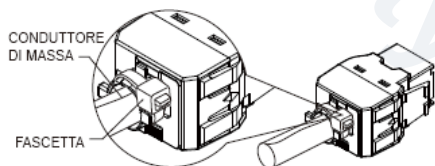
- 8) Con un tronchesino a lame piane tagliare i conduttori sporgenti dal coperchio copri connessioni



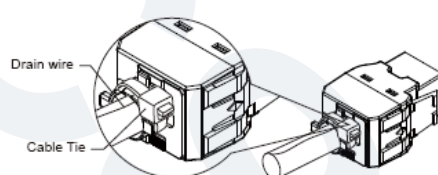
- 8) Cut conductor surplus jutting out of protection connection cap with flat blades cutting nippers



- 9) Seguendo le "frecche di indicazione inserzione" inserire il coperchio esterno sulla presa connettorizzata.

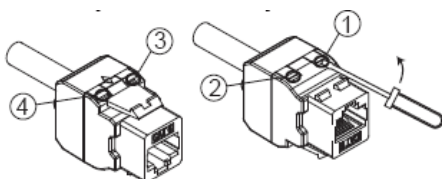


- 9) Put outer cap on the connected plug following the insertion way arrows

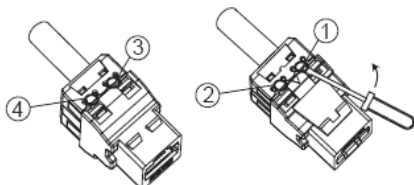


#### PROCEDURA DI APERTURA

- 1) Sulle 4 posizioni indicate in figura fare leva con un cacciavite a lama piana per aprire il coperchio esterno di protezione

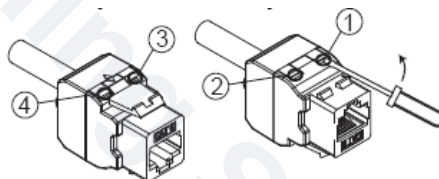


- 2) Sulle posizioni indicate in figura sotto fare leva con un cacciavite a lama piana per aprire il coperchio di crimpatura



#### RE-OPEN

- 1) Use a flat screwdriver on suggested positions to open outer cap



- 2) Use a flat screwdriver on suggested positions to open protection connection cap

