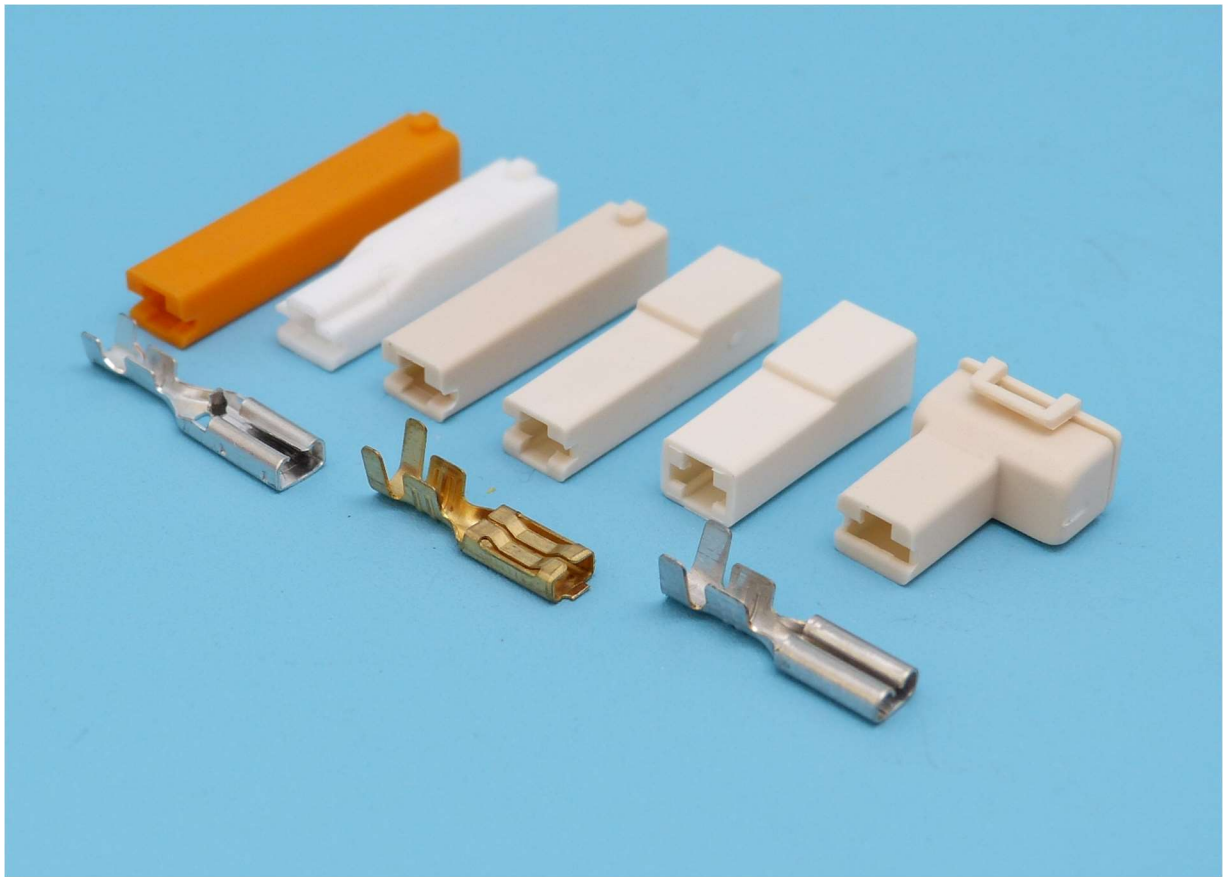




## 2,8 series

### Quick Connect Terminals and Connectors

## DESCRIZIONE / Overview

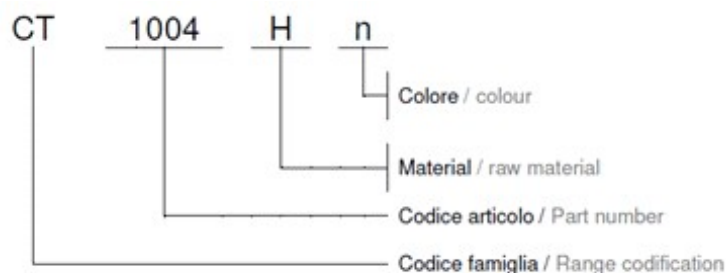
La connessione consiste in connettori maschio e femmina volanti che possono montare terminali a crimpare maschio o femmina. Questa serie di connessioni prende il nome dalla dimensione del contatto maschio che ha una larghezza nominale di 2,8mm. Tutti i connettori sono disponibili in materiale PA66 UL94-V2, PA66 UL94-V0 e in PA66 conforme alla Direttiva IEC 60335-1 con GWT a 750°C. Tutti i materiali sono conformi alla direttiva RoHS e Reach.

A connector assembly consists of wire-to-wire male and female housings with specified crimp contacts (receptacles or tabs) the connection is named according to the dimensions of the tab that have a width of 2,8mm (or 110").

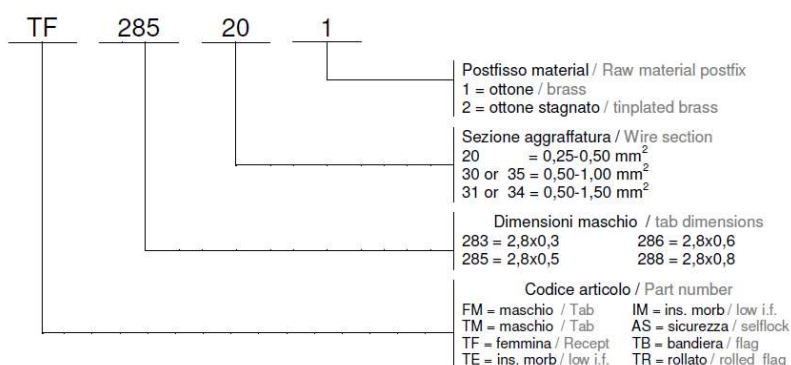
All the connector housings are available in material PA66 UL94-V2, PA66 UL94-V0 and PA66 UL94-V0 and in material PA66 meeting to the Directive IEC 60335-1, with Glow Wire Test at 750° No Flame. All the raw materials are RoHS and REACH Compliant.

| standard                                                      | TF28                                                                                | CT1004C                                                                             | CT1004                                                                              | CT1004B                                                                             | CT1004L                                                                             |
|---------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 2,8 x 0,3<br>2,8 x 0,4<br>2,8 x 0,5<br>2,8 x 0,6<br>2,8 x 0,8 |    |    |   |  |  |
| Low Insertion Force                                           | IM28                                                                                | CT1004E                                                                             | CT1004EL                                                                            |                                                                                     |                                                                                     |
| 2,8 x 0,5<br>2,8 x 0,8                                        |   |   |  |                                                                                     |                                                                                     |
| Self locking                                                  | AS28                                                                                | CT1004S                                                                             |                                                                                     |                                                                                     |                                                                                     |
| 2,8 x 0,5<br>2,8 x 0,8                                        |  |  |                                                                                     |                                                                                     |                                                                                     |
| Flag female                                                   | TR28                                                                                | CT1004R                                                                             |                                                                                     |                                                                                     |                                                                                     |
| 2,8 x 0,5<br>2,8 x 0,8                                        |  |  |                                                                                     |                                                                                     |                                                                                     |
| Male                                                          | TM28                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 2,8 x 0,5<br>2,8 x 0,8                                        |  |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

## IDENTIFICAZIONE CONNETTORI / Housings Name and Part Number



## IDENTIFICAZIONE TERMINALI / Contacts Name and Part Number



## CARATTERISTICHE MATERIALI / Materials Specification

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Connettori / Housings | PA66-V2, PA6-6V0<br>PA66V2 and PA66V0 meeting the GWT (750°C No flame) according to Directive IEC 60335-1. |
| Terminali / Contacts  | Brass or Phosphor Bronze with tin plating (Lead-Free).                                                     |

## CORRENTI E CAVI APPLICABILI / Ratings and Applicable Wires

|                                                   |                                       |                   |
|---------------------------------------------------|---------------------------------------|-------------------|
| Sezioni di cavo applicabili / Applicable wire     | 0,25-1,50 mm <sup>2</sup> / 24-16 AWG | (DIN 46249 Teil1) |
| Tensione della corrente di lavoro / Rated voltage | 250V AC/DC                            |                   |
| Portata di corrente / Rated current (max.)        | 10A max                               | (DIN 46249 Teil1) |

## CARATTERISTICHE ELETTRICHE / Electrical Specification

|                                                 |                           |
|-------------------------------------------------|---------------------------|
| Temperatura d'esercizio / Operating temperature | -40°C ~ +140°C            |
| Resistenza del contatto / Contact resistance    | 3-35 mΩ (DIN 46249 Teil1) |

## CERTIFICAZIONI SUL PRODOTTO / Product Approvals



ECCT2.E304173



RFVV.E326092

RFVV2.E326092

## AUTOCERTIFICAZIONI / Product Certification



RoHS

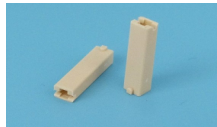
REACH

## CONNETTORE MASCHIO / Male connection

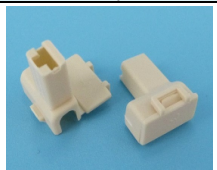
| DESCRIZIONE<br>Description                                                        | PASSO<br>Pitch | CODICE<br>Code | Sezione/wire<br>section |       | MATERIALE<br>Material | TRATTAMENTO<br>Treatment | CERTIFICATI<br>Approvals                                                            | CONF.NE<br>Package |
|-----------------------------------------------------------------------------------|----------------|----------------|-------------------------|-------|-----------------------|--------------------------|-------------------------------------------------------------------------------------|--------------------|
|                                                                                   |                |                | mm <sup>2</sup>         | AWG   |                       |                          |                                                                                     |                    |
| 2,8x0,5 DIN                                                                       |                |                |                         |       |                       |                          |                                                                                     |                    |
|  | 14.7mm         | TM285351       | 0,35-1,00               | 22-18 | Ottone-Brass          | ---                      |  | 3 x10.000          |
|                                                                                   | 14.7mm         | TM285352       |                         |       | Ottone-Brass          | Stagnato-Tinned          |  | 3 x10.000          |
| 2,8x0,8 DIN                                                                       |                |                |                         |       |                       |                          |                                                                                     |                    |
|  | 14.5mm         | TM288341       | 0,50-1,50               | 20-16 | Ottone-Brass          | ---                      | ---                                                                                 | 3 x15.000          |
|                                                                                   | 14.5mm         | TM288342       |                         |       | Ottone-Brass          | Stagnato-Tinned          | ---                                                                                 | 3 x15.000          |

## CONNETTORE FEMMINA / Receptacles

| DESCRIZIONE<br>Description                                                          | PASSO<br>Pitch | CODICE<br>Code | Sezione/wire<br>section |       | MATERIALE<br>Material | TRATTAMENTO<br>Treatment | CERTIFICATI<br>Approvals                                                              | CONF.NE<br>Package |
|-------------------------------------------------------------------------------------|----------------|----------------|-------------------------|-------|-----------------------|--------------------------|---------------------------------------------------------------------------------------|--------------------|
|                                                                                     |                |                | mm <sup>2</sup>         | AWG   |                       |                          |                                                                                       |                    |
| 2,8x0,3 DIN                                                                         |                |                |                         |       |                       |                          |                                                                                       |                    |
|    | 16.4mm         | TF283201       | 0,25-0,50               | 24-20 | Ottone-Brass          | ---                      | ---                                                                                   | 3 x10.000          |
|                                                                                     | 16.4mm         | TF283202       |                         |       | Ottone-Brass          | Pre-Stagnato<br>Pre-Tin  |                                                                                       | 3 x10.000          |
| 2,8x0,4 DIN                                                                         |                |                |                         |       |                       |                          |                                                                                       |                    |
|    | 16.4mm         | TF284201       | 0,25-0,50               | 24-20 | Ottone-Brass          | ---                      | ---                                                                                   | 3 x10.000          |
|                                                                                     | 16.4mm         | TF284202       |                         |       | Ottone-Brass          | Pre-Stagnato<br>Pre-Tin  |                                                                                       | 3 x10.000          |
| 2,8x0,5 DIN                                                                         |                |                |                         |       |                       |                          |                                                                                       |                    |
|   | 16.4mm         | TF285201       | 0,25-0,50               | 24-20 | Ottone-Brass          | ---                      |    | 3 x10.000          |
|                                                                                     | 16.4mm         | TF285202       |                         |       | Ottone-Brass          | Pre-Stagnato<br>Pre-Tin  |                                                                                       | 3 x10.000          |
|                                                                                     | 15.5mm         | TF285301       | 0,50-1,00               | 20-18 | Ottone-Brass          | ---                      |  | 3 x10.000          |
|                                                                                     | 15.5mm         | TF285302       |                         |       | Ottone-Brass          | Stagnato<br>Tin plated   |                                                                                       | 3 x10.000          |
|                                                                                     | 16.4mm         | TF285311       | 0,50-1,50               | 20-16 | Ottone-Brass          | ---                      |  | 3 x10.000          |
|                                                                                     | 16.4mm         | TF285312       |                         |       | Ottone-Brass          | Pre-Stagnato<br>Pre-Tin  |                                                                                       | 3 x10.000          |
| 2,8x0,6 DIN                                                                         |                |                |                         |       |                       |                          |                                                                                       |                    |
|  | 16.4mm         | TF286201       | 0,25-0,50               | 24-20 | Ottone-Brass          | ---                      | ---                                                                                   | 3 x10.000          |
|                                                                                     | 16.4mm         | TF286202       |                         |       | Ottone-Brass          | Pre-Stagnato<br>Pre-Tin  |                                                                                       | 3 x10.000          |
| 2,8x0,8 DIN                                                                         |                |                |                         |       |                       |                          |                                                                                       |                    |
|  | 16.4mm         | TF288201       | 0,25-0,50               | 24-20 | Ottone-Brass          | ---                      |  | 3 x10.000          |
|                                                                                     | 16.4mm         | TF288202       |                         |       | Ottone-Brass          | Pre-Stagnato<br>Pre-Tin  |                                                                                       | 3 x10.000          |
|                                                                                     | 15.5mm         | TF288301       | 0,50-1,00               | 20-18 | Ottone-Brass          | ---                      |  | 3 x10.000          |
|                                                                                     | 15.5mm         | TF288302       |                         |       | Ottone-Brass          | Stagnato<br>Tin plated   |                                                                                       | 3 x10.000          |
|                                                                                     | 16.4mm         | TF288311       | 0,50-1,50               | 20-16 | Ottone-Brass          | ---                      |  | 3 x10.000          |
|                                                                                     | 16.4mm         | TF288312       |                         |       | Ottone-Brass          | Pre-Stagnato<br>Pre-Tin  |                                                                                       | 3 x10.000          |

| DESCRIZIONE<br>Description                                                         | Note<br>Note                | CODICE<br>Code   | MATERIALE<br>Material | RATING |     |               | CERTIFICATI<br>Approvals                                                              | CONF.NE<br>Package |
|------------------------------------------------------------------------------------|-----------------------------|------------------|-----------------------|--------|-----|---------------|---------------------------------------------------------------------------------------|--------------------|
|                                                                                    |                             |                  |                       | UL94   | RTI | GWT           |                                                                                       |                    |
|    | Lunghezza<br>length<br>20mm | <b>CT1004</b>    | PA66                  | V2     | 130 | ---           |    | 40.000             |
|                                                                                    |                             | <b>CT1004V0</b>  | PA66                  | V0     | 140 | ---           |                                                                                       |                    |
|                                                                                    |                             | <b>CT1004H</b>   | PA6                   | V2     | 130 | 750°C noflame |                                                                                       |                    |
|                                                                                    |                             | <b>CT1004Z</b>   | PA66                  | V0     | 140 | 750°C noflame |                                                                                       |                    |
|    | Lunghezza<br>length<br>20mm | <b>CT1004B</b>   | PA66                  | V2     | 130 | ---           |    | 40.000             |
|                                                                                    |                             | <b>CT1004BV0</b> | PA66                  | V0     | 140 | ---           |                                                                                       |                    |
|                                                                                    |                             | <b>CT1004BH</b>  | PA6                   | V2     | 130 | 750°C noflame |                                                                                       |                    |
|                                                                                    |                             | <b>CT1004BZ</b>  | PA66                  | V0     | 140 | 750°C noflame |                                                                                       |                    |
|    | Lunghezza<br>length<br>17mm | <b>CT1004C</b>   | PA66                  | V2     | 130 | ---           |    | 40.000             |
|                                                                                    |                             | <b>CT1004CV0</b> | PA66                  | V0     | 140 | ---           |                                                                                       |                    |
|                                                                                    |                             | <b>CT1004CH</b>  | PA6                   | V2     | 130 | 750°C noflame |                                                                                       |                    |
|                                                                                    |                             | <b>CT1004CZ</b>  | PA66                  | V0     | 140 | 750°C noflame |                                                                                       |                    |
|    | Lunghezza<br>length<br>25mm | <b>CT1004L</b>   | PA66                  | V2     | 130 | ---           |    | 30.000             |
|                                                                                    |                             | <b>CT1004LV0</b> | PA66                  | V0     | 140 | ---           |                                                                                       |                    |
|                                                                                    |                             | <b>CT1004LH</b>  | PA6                   | V2     | 130 | 750°C noflame |                                                                                       |                    |
|                                                                                    |                             | <b>CT1004LZ</b>  | PA66                  | V0     | 140 | 750°C noflame |                                                                                       |                    |
|  | ---                         | <b>CT1004PE</b>  | PE                    | V2     | 65  | ---           |  | 20.000             |
|                                                                                    |                             | <b>CT1004PE1</b> | PE NERO               | V2     | 65  | ---           |                                                                                       |                    |
|                                                                                    |                             | ---              | ---                   | ---    | --- | ---           |                                                                                       |                    |
|                                                                                    |                             | ---              | ---                   | ---    | --- | ---           |                                                                                       |                    |

## CONNETTORE A BANDIERA / Angle connection

| DESCRIZIONE<br>Description                                                         | Note<br>Note | CODICE<br>Code   | MATERIALE<br>Material | RATING |     |               | CERTIFICATI<br>Approvals                                                              | CONF.NE<br>Package |
|------------------------------------------------------------------------------------|--------------|------------------|-----------------------|--------|-----|---------------|---------------------------------------------------------------------------------------|--------------------|
|                                                                                    |              |                  |                       | UL94   | RTI | GWT           |                                                                                       |                    |
|  |              | <b>CT1004R</b>   | PA66                  | V2     | 130 | ---           |  | 10.000             |
|                                                                                    |              | <b>CT1004RV0</b> | PA66                  | V0     | 140 | ---           |                                                                                       |                    |
|                                                                                    |              | <b>CT1004RH</b>  | PA6                   | V2     | 130 | 750°C noflame |                                                                                       |                    |
|                                                                                    |              | <b>CT1004RZ</b>  | PA66                  | V0     | 140 | 750°C noflame |                                                                                       |                    |

## CONNETTORE AD INSERIMENTO MORBIDO / Low insertion connection

| DESCRIZIONE<br>Description                                                        | PASSO<br>Pitch | CODICE<br>Code | Sezione/wire<br>section |       | MATERIALE<br>Material | TRATTAMENTO<br>Treatment | CERTIFICATI<br>Approvals                                                            | CONF.NE<br>Package |
|-----------------------------------------------------------------------------------|----------------|----------------|-------------------------|-------|-----------------------|--------------------------|-------------------------------------------------------------------------------------|--------------------|
|                                                                                   |                |                | mm <sup>2</sup>         | AWG   |                       |                          |                                                                                     |                    |
| 2,8x0,5 IEC                                                                       |                |                |                         |       |                       |                          |                                                                                     |                    |
|  | 15.5mm         | IM285311       | 0,35-0,75               | 22-18 | Ottone-Brass          | ---                      |  | 3 x10.000          |
|                                                                                   | 15.5mm         | IM285312       |                         |       | Ottone-Brass          | Stagnato<br>Tin plated   |                                                                                     | 3 x10.000          |
| 2,8x0,8 IEC                                                                       |                |                |                         |       |                       |                          |                                                                                     |                    |
|  | 15.5mm         | IM288311       | 0,35-0,75               | 22-18 | Ottone-Brass          | ---                      |  | 3 x10.000          |
|                                                                                   | 15.5mm         | IM288312       |                         |       | Ottone-Brass          | Stagnato<br>Tin plated   |                                                                                     | 3 x10.000          |

|                                                                                     |        |          |           |       |              |                        |                                                                                       |              |
|-------------------------------------------------------------------------------------|--------|----------|-----------|-------|--------------|------------------------|---------------------------------------------------------------------------------------|--------------|
| 2,8x0,5 DIN                                                                         |        |          |           |       |              |                        |                                                                                       |              |
|   | 15.5mm | IM285341 | 0,35-0,75 | 22-18 | Ottone-Brass | ---                    |   | 3<br>x10.000 |
|                                                                                     | 15.5mm | IM285342 |           |       | Ottone-Brass | Stagnato<br>Tin plated |                                                                                       | 3<br>x10.000 |
| 2,8x0,8 DIN                                                                         |        |          |           |       |              |                        |                                                                                       |              |
|  | 15.5mm | IM288341 | 0,35-0,75 | 22-18 | Ottone-Brass | ---                    |  | 3<br>x10.000 |
|                                                                                     | 15.5mm | IM288342 |           |       | Ottone-Brass | Stagnato<br>Tin plated |                                                                                       | 3<br>x10.000 |

| DESCRIZIONE<br>Description                                                         | Note<br>Note | CODICE<br>Code    | MATERIALE<br>Material | RATING |     |               | CERTIFICATI<br>Approvals                                                              | CONF.NE<br>Package |
|------------------------------------------------------------------------------------|--------------|-------------------|-----------------------|--------|-----|---------------|---------------------------------------------------------------------------------------|--------------------|
|                                                                                    |              |                   |                       | UL94   | RTI | GWT           |                                                                                       |                    |
|  | 20mm         | <b>CT1004E</b>    | PA66                  | V2     | 130 | ---           |  | 40.000             |
|                                                                                    |              | <b>CT1004EV0</b>  | PA66                  | V0     | 140 | ---           |                                                                                       |                    |
|                                                                                    |              | <b>CT1004EH</b>   | PA6                   | V2     | 130 | 750°C noflame |                                                                                       |                    |
|                                                                                    |              | <b>CT1004EZ</b>   | PA66                  | V0     | 140 | 750°C noflame |                                                                                       |                    |
|  | 25mm         | <b>CT1004EL</b>   | PA66                  | V2     | 130 | ---           |  | 30.000             |
|                                                                                    |              | <b>CT1004ELV0</b> | PA66                  | V0     | 140 | ---           |                                                                                       |                    |
|                                                                                    |              | <b>CT1004ELH</b>  | PA6                   | V2     | 130 | 750°C noflame |                                                                                       |                    |
|                                                                                    |              | <b>CT1004ELZ</b>  | PA66                  | V0     | 140 | 750°C noflame |                                                                                       |                    |

## CONNETTORE DI SICUREZZA / Self locking connection

| DESCRIZIONE<br>Description                                                          | PASSO<br>Pitch | CODICE<br>Code  | Sezione/wire<br>section |       | MATERIALE<br>Material | TRATTAMENTO<br>Treatment | CERTIFICATI<br>Approvals                                                              | CONF.NE<br>Package |
|-------------------------------------------------------------------------------------|----------------|-----------------|-------------------------|-------|-----------------------|--------------------------|---------------------------------------------------------------------------------------|--------------------|
|                                                                                     |                |                 | mm <sup>2</sup>         | AWG   |                       |                          |                                                                                       |                    |
| 2,8x0,5 DIN                                                                         |                |                 |                         |       |                       |                          |                                                                                       |                    |
|    | 19.2mm         | <b>AS285201</b> | 0,25-0,50               | 24-20 | Ottone-Brass          | ---                      |    | 3 x15.000          |
|                                                                                     | 19.2mm         | <b>AS285202</b> |                         |       | Ottone-Brass          | Stagnato<br>Tin plated   |                                                                                       | 3 x15.000          |
| 2,8x0,5 IEC                                                                         |                |                 |                         |       |                       |                          |                                                                                       |                    |
|    | 19.2mm         | <b>AS285301</b> | 0,50-1,00               | 20-16 | Ottone-Brass          | ---                      |    | 3 x15.000          |
|                                                                                     | 19.2mm         | <b>AS285302</b> |                         |       | Ottone-Brass          | Stagnato<br>Tin plated   |                                                                                       | 3 x15.000          |
| 2,8x0,8 DIN                                                                         |                |                 |                         |       |                       |                          |                                                                                       |                    |
|    | 19.2mm         | <b>AS288201</b> | 0,25-0,50               | 24-20 | Ottone-Brass          | ---                      |    | 3 x15.000          |
|                                                                                     | 19.2mm         | <b>AS288202</b> |                         |       | Ottone-Brass          | Stagnato<br>Tin plated   |                                                                                       | 3 x15.000          |
| 2,8x0,8 IEC                                                                         |                |                 |                         |       |                       |                          |                                                                                       |                    |
|  | 19.2mm         | <b>AS288301</b> | 0,50-1,00               | 20-16 | Ottone-Brass          | ---                      |  | 3 x15.000          |
|                                                                                     | 19.2mm         | <b>AS288302</b> |                         |       | Ottone-Brass          | Stagnato<br>Tin plated   |                                                                                       | 3 x15.000          |

| DESCRIZIONE<br>Description                                                         | Note<br>Note | CODICE<br>Code   | MATERIALE<br>Material | RATING |     |               | CERTIFICATI<br>Approvals                                                              | CONF.NE<br>Package |
|------------------------------------------------------------------------------------|--------------|------------------|-----------------------|--------|-----|---------------|---------------------------------------------------------------------------------------|--------------------|
|                                                                                    |              |                  |                       | UL94   | RTI | GWT           |                                                                                       |                    |
|  | 20mm         | <b>CT1004S</b>   | PA66                  | V2     | 130 | ---           |  | 40.000             |
|                                                                                    |              | <b>CT1004SV0</b> | PA66                  | V0     | 140 | ---           |                                                                                       |                    |
|                                                                                    |              | <b>CT1004SH</b>  | PA6                   | V2     | 130 | 750°C noflame |                                                                                       |                    |
|                                                                                    |              | <b>CT1004SZ</b>  | PA66                  | V0     | 140 | 750°C noflame |                                                                                       |                    |