



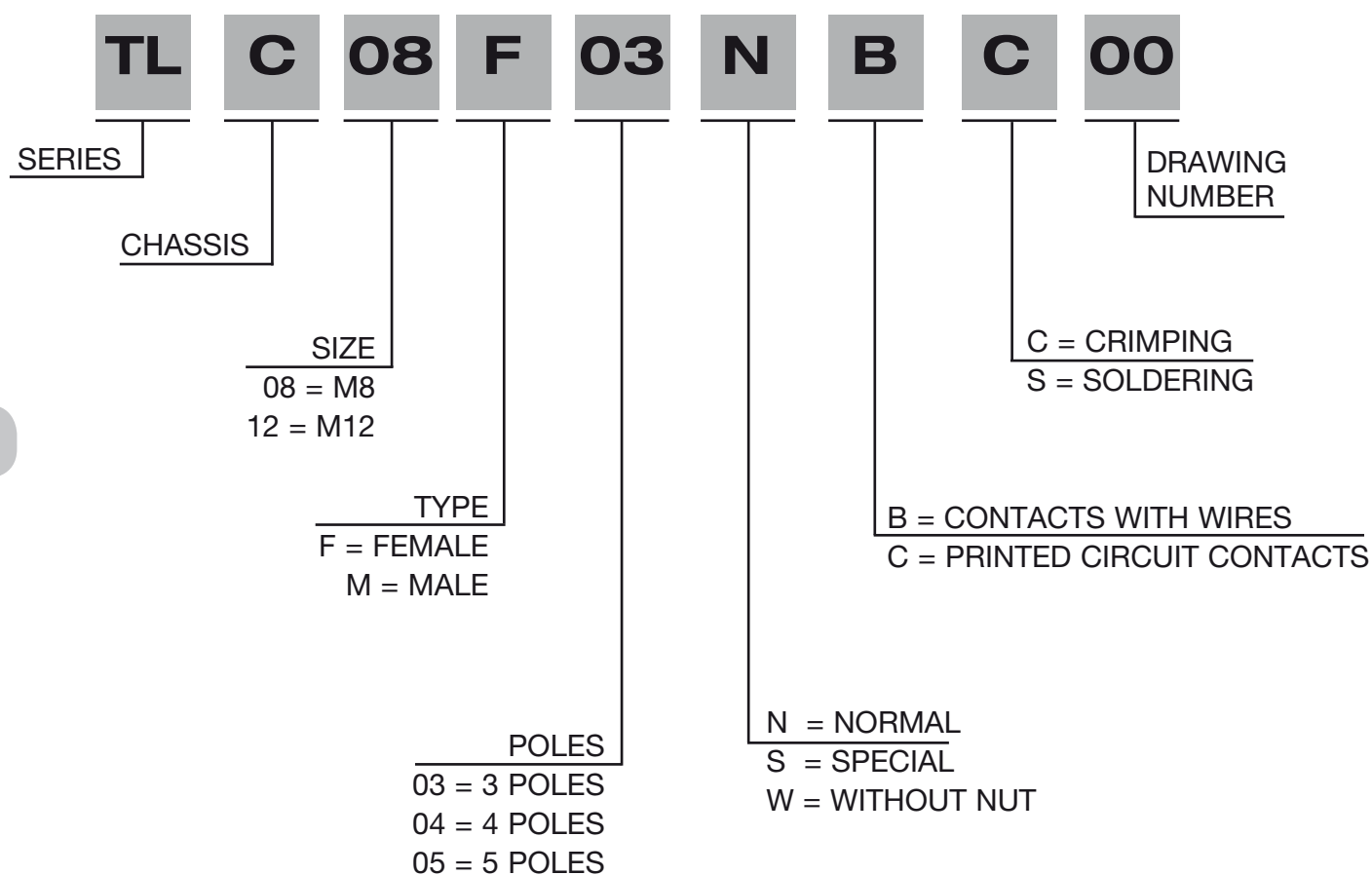
inserti  
M8 - M12

M8 - M12  
chassis

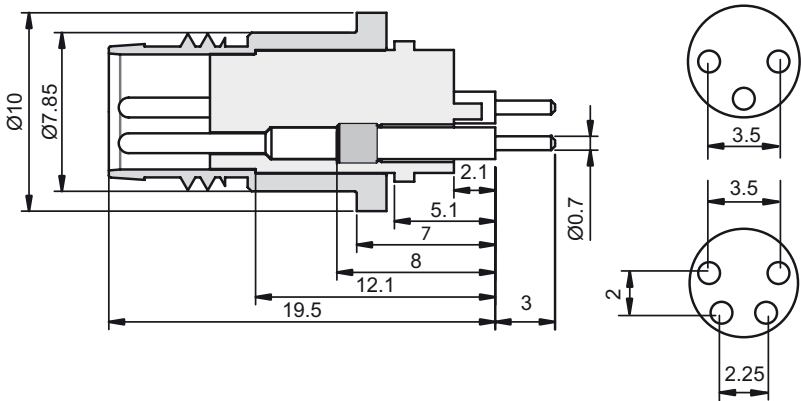
**TEK<sup>®</sup>NEL**

THE ART OF CONNECTION

# Model Numbering System



**Inserto M8 maschio 3/4 poli per CS**  
**Male M8 chassis 3/4 poles for PCB**



**TLC08M03NCS01**

**TLC08M04NCS01**

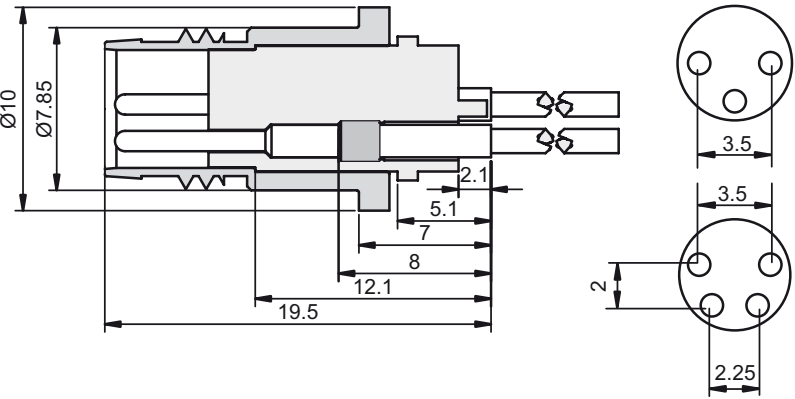
| Technical specifications: | Soldering contacts | Soldering contacts |
|---------------------------|--------------------|--------------------|
| Norm reference            | IEC 60947-5-2      | IEC 60947-5-2      |
| Poles                     | 3                  | 4                  |
| Locking system            | Thread nut         | Thread nut         |
| IP grade                  | Connected - IP 68  | Connected - IP 68  |
| Working temperature       | -25° C / +90° C    | -25° C / +90° C    |
| Nominal current           | 4A                 | 4A                 |
| Working tension           | 75 V ac            | 75 V ac            |
| Dielectric test           | 500 V dc           | 500 V dc           |
| Insulation resistance     | > = 10 GΩ          | > = 10 GΩ          |
| Contact resistance        | < = 5 mΩ           | < = 5 mΩ           |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | ABS / PC                     | ABS / PC                     |
| Nut                        | Brass nickel plated          | Brass nickel plated          |

32

# Inserto M8 maschio 3/4 poli per CS con fili

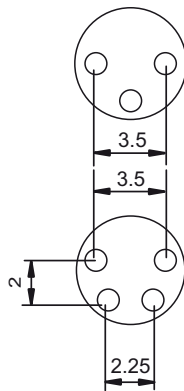
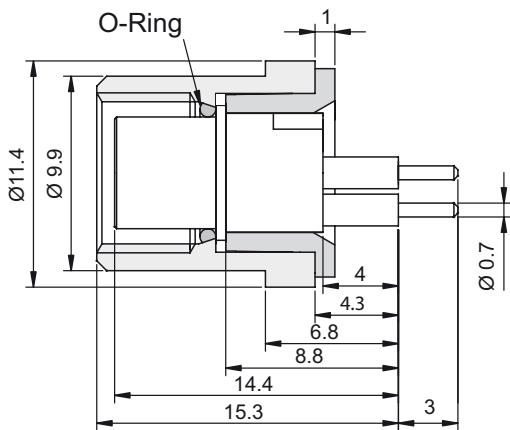
## Male M8 chassis 3/4 poles for PCB with wires



| TLC08M03NBC01             |                   |                   | TLC08M04NBC01             |                   |                   |
|---------------------------|-------------------|-------------------|---------------------------|-------------------|-------------------|
| Technical specifications: |                   | Crimping contacts | Technical specifications: |                   | Crimping contacts |
| Norm reference            | IEC 60947-5-2     |                   | Norm reference            | IEC 60947-5-2     |                   |
| Poles                     | 3                 |                   | Poles                     | 4                 |                   |
| Locking system            | Thread nut        |                   | Locking system            | Thread nut        |                   |
| IP grade                  | Connected - IP 68 |                   | IP grade                  | Connected - IP 68 |                   |
| Working temperature       | -25° C / +90° C   |                   | Working temperature       | -25° C / +90° C   |                   |
| Nominal current           | 4A                |                   | Nominal current           | 4A                |                   |
| Working tension           | 75 V ac           |                   | Working tension           | 75 V ac           |                   |
| Dielectric test           | 500 V dc          |                   | Dielectric test           | 500 V dc          |                   |
| Insulation resistance     | > = 10 GΩ         |                   | Insulation resistance     | > = 10 GΩ         |                   |
| Contact resistance        | < = 5 mΩ          |                   | Contact resistance        | < = 5 mΩ          |                   |

| Components specifications: |                              |  | Components specifications: |                              |  |
|----------------------------|------------------------------|--|----------------------------|------------------------------|--|
| Type of contact            | Turned contact               |  | Type of contact            | Turned contact               |  |
| Wire section (mm²)         | 0.14 ÷ 0.35                  |  | Wire section (mm²)         | 0.14 ÷ 0.35                  |  |
| Contact material           | CuZnPb                       |  | Contact material           | CuZnPb                       |  |
| Contact treatment          | “Ni” (std) or “Ag” or “AuCo” |  | Contact treatment          | “Ni” (std) or “Ag” or “AuCo” |  |
| Housing material           | ABS / PC                     |  | Housing material           | ABS / PC                     |  |
| Nut                        | Brass nickel plated          |  | Nut                        | Brass nickel plated          |  |

Inserto M8 femmina 3/4 poli per CS  
Female M8 chassis 3/4 poles for PCB



CE

**TLC08F03NCS01**

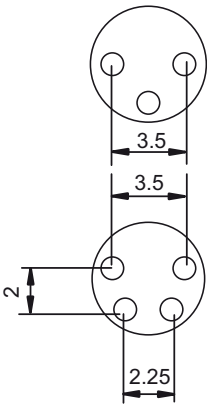
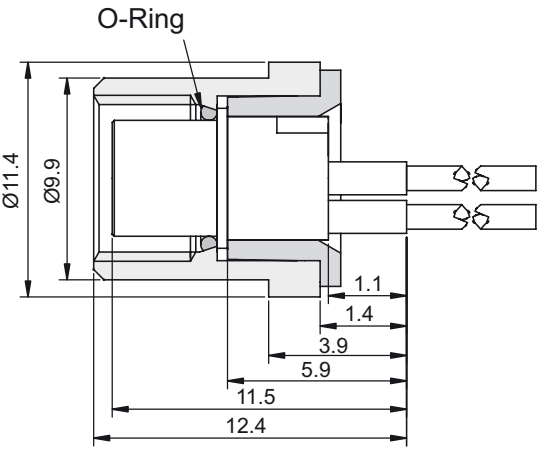
**TLC08F04NCS01**

| Technical specifications: | Soldering contacts | Soldering contacts |
|---------------------------|--------------------|--------------------|
| Norm reference            | IEC 60947-5-2      | IEC 60947-5-2      |
| Poles                     | 3                  | 4                  |
| Locking system            | Thread nut         | Thread nut         |
| IP grade                  | Connected - IP 68  | Connected - IP 68  |
| Working temperature       | -25° C / +90° C    | -25° C / +90° C    |
| Nominal current           | 4A                 | 4A                 |
| Working tension           | 75 V ac            | 75 V ac            |
| Dielectric test           | 500 V dc           | 500 V dc           |
| Insulation resistance     | > = 10 GΩ          | > = 10 GΩ          |
| Contact resistance        | < = 5 mΩ           | < = 5 mΩ           |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O. Ring                    | NBR                          | NBR                          |
| Nut                        | Brass nickel plated          | Brass nickel plated          |

4 2

**Inserto M8 femmina 3/4 poli per CS con fili**  
**Female M8 chassis 3/4 poles for PCB with wires**



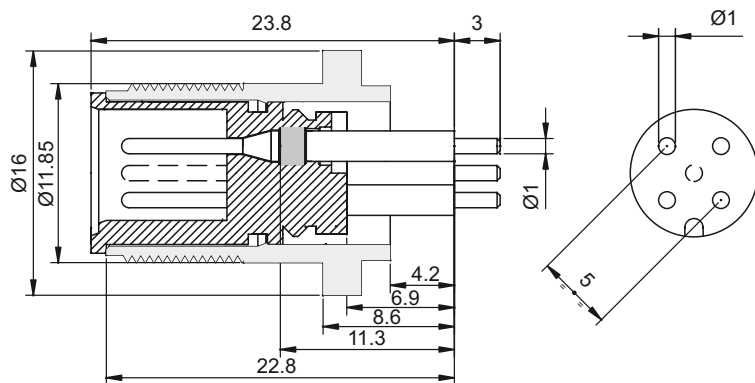
**TLC08F03NBC01**

**TLC08F04NBC01**

| Technical specifications: | Crimping contacts | Crimping contacts |
|---------------------------|-------------------|-------------------|
| Norm reference            | IEC 60947-5-2     | IEC 60947-5-2     |
| Poles                     | 3                 | 4                 |
| Locking system            | Thread nut        | Thread nut        |
| IP grade                  | Connected - IP 68 | Connected - IP 68 |
| Working temperature       | -25° C / +90° C   | -25° C / +90° C   |
| Nominal current           | 4A                | 4A                |
| Working tension           | 75 V ac           | 75 V ac           |
| Dielectric test           | 500 V dc          | 500 V dc          |
| Insulation resistance     | > = 10 GΩ         | > = 10 GΩ         |
| Contact resistance        | < = 5 mΩ          | < = 5 mΩ          |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wire section (mm²)         | 0.14 ÷ 0.35                  | 0.14 ÷ 0.35                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | “Ni” (std) or “Ag” or “AuCo” | “Ni” (std) or “Ag” or “AuCo” |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O. Ring                    | NBR                          | NBR                          |
| Nut                        | Brass nickel plated          | Brass nickel plated          |

**Inserto M12 maschio 4/5 poli per CS**  
**Male M12 chassis 4/5 poles for PCB**



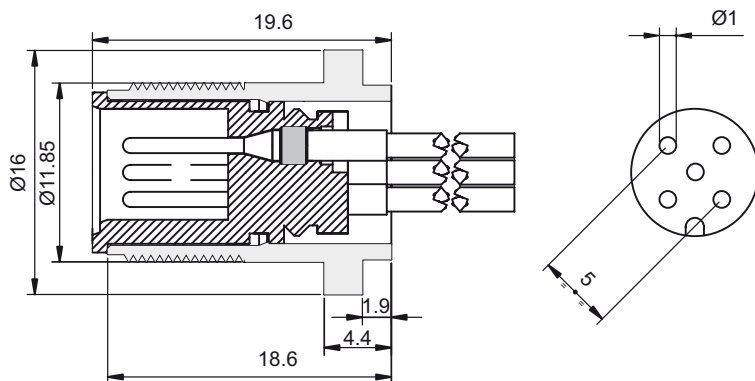
**TLC12M04NCS01**

**TLC12M05NCS01**

| Technical specifications: | Soldering contacts | Soldering contacts |
|---------------------------|--------------------|--------------------|
| Norm reference            | IEC 60947-5-2      | IEC 60947-5-2      |
| Poles                     | 4                  | 5                  |
| Locking system            | Thread nut         | Thread nut         |
| IP grade                  | Connected - IP 68  | Connected - IP 68  |
| Working temperature       | -25° C / +90° C    | -25° C / +90° C    |
| Nominal current           | 4A                 | 3A                 |
| Working tension           | 250 V ac           | 30 V ac            |
| Dielectric test           | 1000 V dc          | 1000 V dc          |
| Insulation resistance     | > = 10 GΩ          | > = 10 GΩ          |
| Contact resistance        | < = 5 mΩ           | < = 5 mΩ           |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | PUR / PC                     | PUR / PC                     |
| Nut                        | Brass nickel plated          | Brass nickel plated          |

## Inserto M12 maschio 4/5 poli per CS con fili Male M12 chassis 4/5 poles for PCB with wires



### TLC12M04NBC01

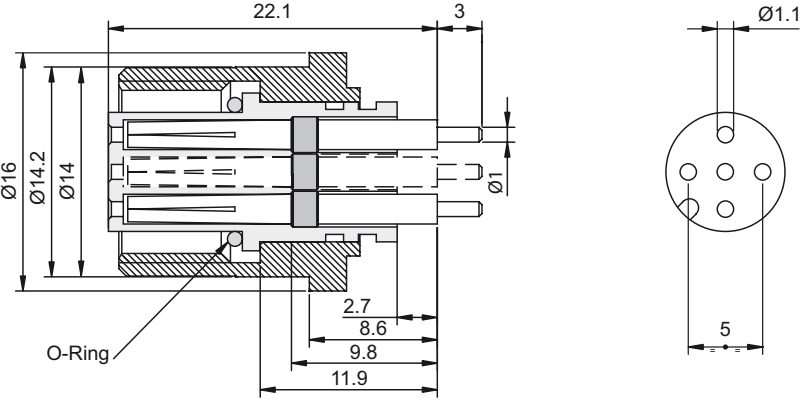
### TLC12M05NBC01

| Technical specifications: | Crimping contacts         | Crimping contacts         |
|---------------------------|---------------------------|---------------------------|
| Norm reference            | IEC 60947-5-2             | IEC 60947-5-2             |
| Poles                     | 4                         | 5                         |
| Locking system            | Thread nut                | Thread nut                |
| IP grade                  | Connected - IP 68         | Connected - IP 68         |
| Working temperature       | -25° C / +90° C           | -25° C / +90° C           |
| Nominal current           | 4A                        | 3A                        |
| Working tension           | 250 V ac                  | 30 V ac                   |
| Dielectric test           | 1000 V dc                 | 1000 V dc                 |
| Insulation resistance     | $\geq 10 \text{ G}\Omega$ | $\geq 10 \text{ G}\Omega$ |
| Contact resistance        | $\leq 5 \text{ m}\Omega$  | $\leq 5 \text{ m}\Omega$  |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wires section (mm²)        | 0.14 ÷ 0.50                  | 0.14 ÷ 0.50                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | PUR / PC                     | PUR / PC                     |
| Nut                        | Brass nickel plated          | Brass nickel plated          |



Inserto M12 femmina 4/5 poli per CS  
Female M12 chassis 4/5 poles for PCB

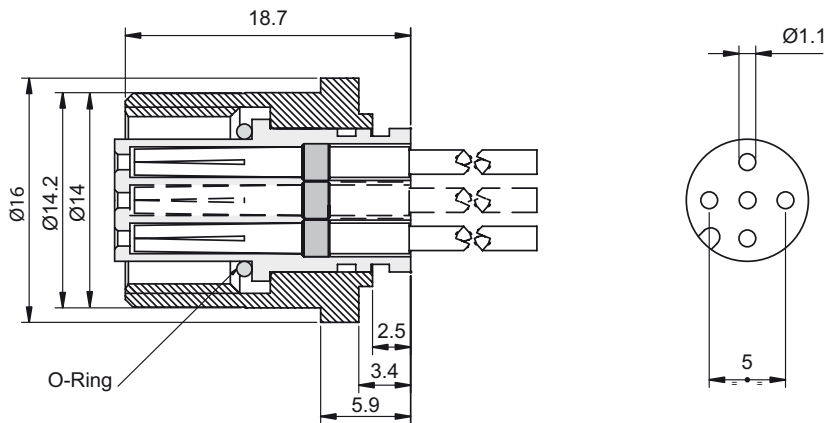


| TLC12F04NCS01             |                   |                    | TLC12F05NCS01             |                   |                    |
|---------------------------|-------------------|--------------------|---------------------------|-------------------|--------------------|
| Technical specifications: |                   | Soldering contacts | Technical specifications: |                   | Soldering contacts |
| Norm reference            | IEC 60947-5-2     |                    | Norm reference            | IEC 60947-5-2     |                    |
| Poles                     | 4                 |                    | Poles                     | 5                 |                    |
| Locking system            | Thread nut        |                    | Locking system            | Thread nut        |                    |
| IP grade                  | Connected - IP 68 |                    | IP grade                  | Connected - IP 68 |                    |
| Working temperature       | -25° C / +90° C   |                    | Working temperature       | -25° C / +90° C   |                    |
| Nominal current           | 4A                |                    | Nominal current           | 3A                |                    |
| Working tension           | 250 V ac          |                    | Working tension           | 30 V ac           |                    |
| Dielectric test           | 1000 V dc         |                    | Dielectric test           | 1000 V dc         |                    |
| Insulation resistance     | > = 10 GΩ         |                    | Insulation resistance     | > = 10 GΩ         |                    |
| Contact resistance        | < = 5 mΩ          |                    | Contact resistance        | < = 5 mΩ          |                    |

| Components specifications: |                              |  | Components specifications: |                              |  |
|----------------------------|------------------------------|--|----------------------------|------------------------------|--|
| Type of contact            | Turned contact               |  | Type of contact            | Turned contact               |  |
| Contact material           | CuZnPb                       |  | Contact material           | CuZnPb                       |  |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) |  | Contact treatment          | "Ni" or "Ag" or "AuCo" (std) |  |
| Housing material           | ABS / PC                     |  | Housing material           | ABS / PC                     |  |
| O.Ring                     | NBR                          |  | O.Ring                     | NBR                          |  |
| Nut                        | Brass nickel plated          |  | Nut                        | Brass nickel plated          |  |

# Inserto M12 femmina 4/5 poli per CS con fili

## Female M12 chassis 4/5 poles for PCB with wires



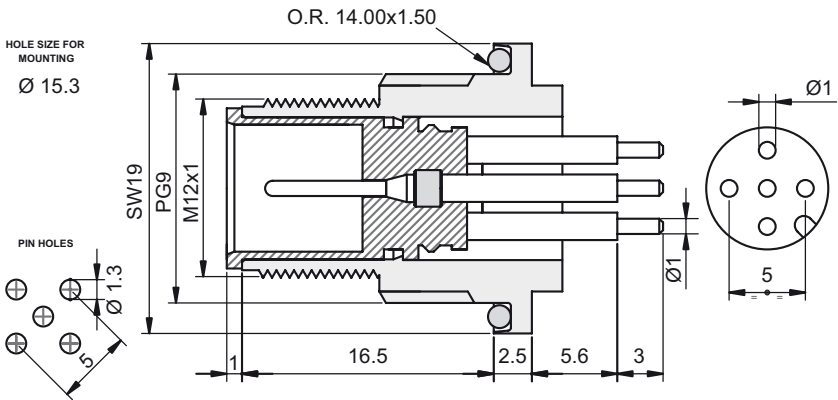
### TLC12F04NBC01

### TLC12F05NBC01

| Technical specifications: | Crimping contacts | Crimping contacts |
|---------------------------|-------------------|-------------------|
| Norm reference            | IEC 60947-5-2     | IEC 60947-5-2     |
| Poles                     | 4                 | 5                 |
| Locking system            | Thread nut        | Thread nut        |
| IP grade                  | Connected - IP 68 | Connected - IP 68 |
| Working temperature       | -25° C / +90° C   | -25° C / +90° C   |
| Nominal current           | 4A                | 3A                |
| Working tension           | 250 V ac          | 30 V ac           |
| Dielectric test           | 1000 V dc         | 1000 V dc         |
| Insulation resistance     | > = 10 GΩ         | > = 10 GΩ         |
| Contact resistance        | < = 5 mΩ          | < = 5 mΩ          |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wires section (mm²)        | 0.14 ÷ 0.50                  | 0.14 ÷ 0.50                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O.Ring                     | NBR                          | NBR                          |
| Nut                        | Brass nickel plated          | Brass nickel plated          |

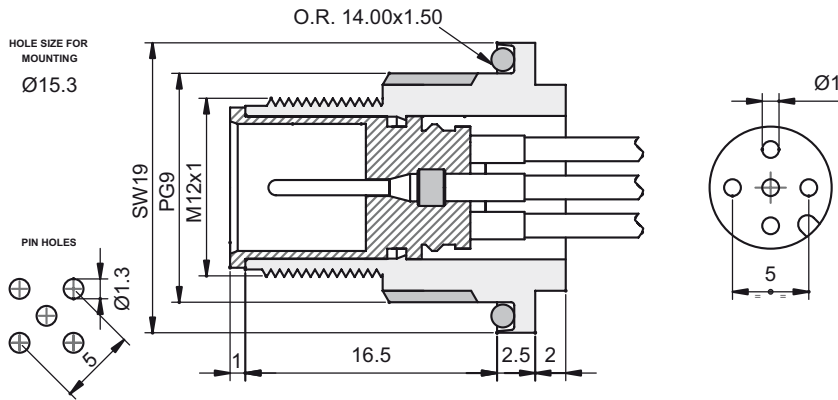
**Inserto M12 maschio 4/5 poli da pannello con controdado PG9**  
**Male M12 chassis 4/5 poles for PCB with thread side PG9**



| TLC12M04NCS02             |                   |                    | TLC12M05NCS02      |  |  |
|---------------------------|-------------------|--------------------|--------------------|--|--|
| Technical specifications: |                   | Soldering contacts | Soldering contacts |  |  |
| Norm reference            | IEC 60947-5-2     |                    | IEC 60947-5-2      |  |  |
| Poles                     | 4                 |                    | 5                  |  |  |
| Locking system            | Thread nut        |                    | Thread nut         |  |  |
| IP grade                  | Connected - IP 68 |                    | Connected - IP 68  |  |  |
| Working temperature       | -25° C / +90° C   |                    | -25° C / +90° C    |  |  |
| Nominal current           | 4A                |                    | 3A                 |  |  |
| Working tension           | 250 V ac          |                    | 30 V ac            |  |  |
| Dielectric test           | 1000 V dc         |                    | 1000 V dc          |  |  |
| Insulation resistance     | > = 10 GΩ         |                    | > = 10 GΩ          |  |  |
| Contact resistance        | < = 5 mΩ          |                    | < = 5 mΩ           |  |  |

| Components specifications: |                              |  |                              |  |  |
|----------------------------|------------------------------|--|------------------------------|--|--|
| Type of contact            | Turned contact               |  | Turned contact               |  |  |
| Contact material           | CuZnPb                       |  | CuZnPb                       |  |  |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) |  | "Ni" or "Ag" or "AuCo" (std) |  |  |
| Housing material           | PUR / PC                     |  | PUR / PC                     |  |  |
| O.Ring                     | NBR                          |  | NBR                          |  |  |
| Nut                        | Brass nickel plated          |  | Brass nickel plated          |  |  |

# **Inserto M12 maschio 4/5 poli con fili da pannello con controdado PG9** **Male M12 chassis 4/5 poles with wires for PCB with thread side PG9**



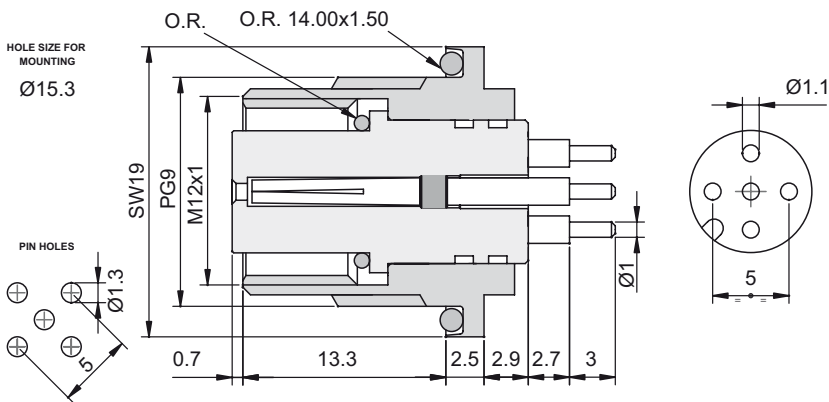
## **TLC12M04NBC02**

## **TLC12M05NBC02**

| Technical specifications: | Crimping contacts | Crimping contacts |
|---------------------------|-------------------|-------------------|
| Norm reference            | IEC 60947-5-2     | IEC 60947-5-2     |
| Poles                     | 4                 | 5                 |
| Locking system            | Thread nut        | Thread nut        |
| IP grade                  | Connected - IP 68 | Connected - IP 68 |
| Working temperature       | -25° C / +90° C   | -25° C / +90° C   |
| Nominal current           | 4A                | 3A                |
| Working tension           | 250 V ac          | 30 V ac           |
| Dielectric test           | 1000 V dc         | 1000 V dc         |
| Insulation resistance     | > = 10 GΩ         | > = 10 GΩ         |
| Contact resistance        | < = 5 mΩ          | < = 5 mΩ          |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wire section (mm²)         | 0.14 ÷ 0.50                  | 0.14 ÷ 0.50                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | PUR / PC                     | PUR / PC                     |
| O.Ring                     | NBR                          | NBR                          |
| Nut                        | Brass nickel plated          | Brass nickel plated          |

**Inserto M12 femmina 4/5 poli da pannello con controdado PG9**  
**Female M12 chassis 4/5 poles for PCB with thread side PG9**



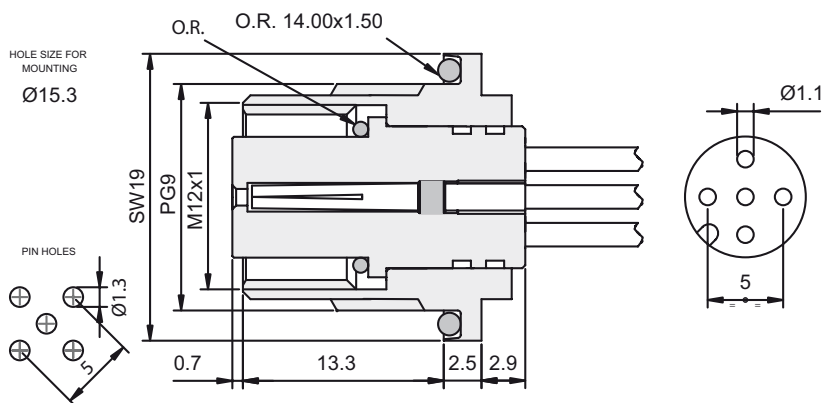
**TLC12F04NCS02**

**TLC12F05NCS02**

| Technical specifications: | Soldering contacts | Soldering contacts |
|---------------------------|--------------------|--------------------|
| Norm reference            | IEC 60947-5-2      | IEC 60947-5-2      |
| Poles                     | 4                  | 5                  |
| Locking system            | Thread nut         | Thread nut         |
| IP grade                  | Connected - IP 68  | Connected - IP 68  |
| Working temperature       | -25° C / +90° C    | -25° C / +90° C    |
| Nominal current           | 4A                 | 3A                 |
| Working tension           | 250 V ac           | 30 V ac            |
| Dielectric test           | 1000 V dc          | 1000 V dc          |
| Insulation resistance     | > = 10 GΩ          | > = 10 GΩ          |
| Contact resistance        | < = 5 mΩ           | < = 5 mΩ           |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O.Ring                     | NBR                          | NBR                          |
| Nut                        | Brass nickel plated          | Brass nickel plated          |

# **Inserto M12 femmina 4/5 poli con fili da pannello con controdado PG9** **Female M12 chassis 4/5 poles with wires for PCB with thread side PG9**



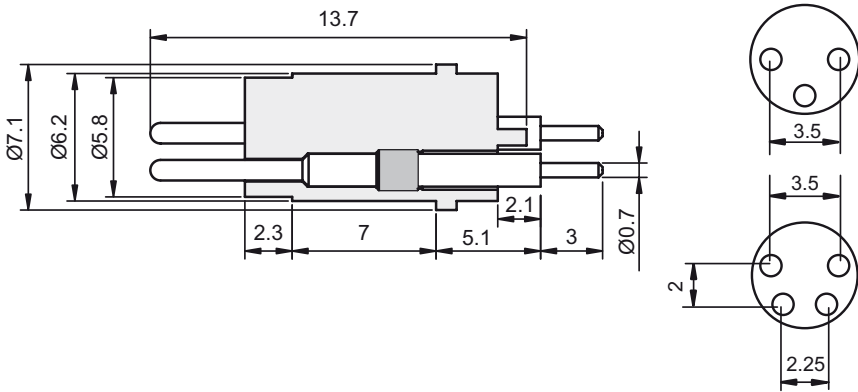
## **TLC12F04NBC02**

## **TLC12F05NBC02**

| Technical specifications: | Crimping contacts | Crimping contacts |
|---------------------------|-------------------|-------------------|
| Norm reference            | IEC 60947-5-2     | IEC 60947-5-2     |
| Poles                     | 4                 | 5                 |
| Locking system            | Thread nut        | Thread nut        |
| IP grade                  | Connected - IP 68 | Connected - IP 68 |
| Working temperature       | -25° C / +90° C   | -25° C / +90° C   |
| Nominal current           | 4A                | 3A                |
| Working tension           | 250 V ac          | 30 V ac           |
| Dielectric test           | 1000 V dc         | 1000 V dc         |
| Insulation resistance     | > = 10 GΩ         | > = 10 GΩ         |
| Contact resistance        | < = 5 mΩ          | < = 5 mΩ          |

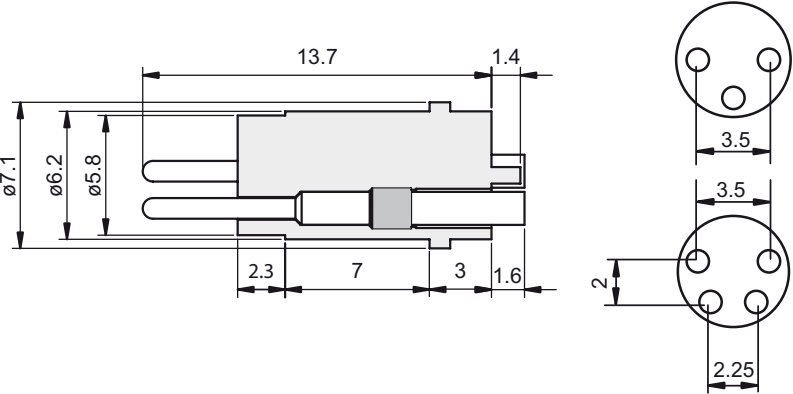
| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wire section (mm²)         | 0.14 ÷ 0.50                  | 0.14 ÷ 0.50                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O.Ring                     | NBR                          | NBR                          |
| Nut                        | Brass nickel plated          | Brass nickel plated          |

**Inserto M8 maschio 3/4 poli per CS senza ghiera, contatti a saldare**  
**Male M8 chassis 3/4 poles for PCB without nut, soldering contacts**



| TLC08M03WCS01              |                              | TLC08M04WCS01                |  |
|----------------------------|------------------------------|------------------------------|--|
| Technical specifications:  | Soldering contacts           | Soldering contacts           |  |
| Norm reference             | IEC 60947-5-2                | IEC 60947-5-2                |  |
| Poles                      | 3                            | 4                            |  |
| Working temperature        | -25° C / +90° C              | -25° C / +90° C              |  |
| Nominal current            | 4A                           | 4A                           |  |
| Working tension            | 75 V ac                      | 75 V ac                      |  |
| Dielectric test            | 500 V dc                     | 500 V dc                     |  |
| Insulation resistance      | > = 10 GΩ                    | > = 10 GΩ                    |  |
| Contact resistance         | < = 5 mΩ                     | < = 5 mΩ                     |  |
|                            |                              |                              |  |
| Components specifications: |                              |                              |  |
| Type of contact            | Turned contact               | Turned contact               |  |
| Contact material           | CuZnPb                       | CuZnPb                       |  |
| Contact treatment          | “Ni” or “Ag” or “AuCo” (std) | “Ni” or “Ag” or “AuCo” (std) |  |
| Housing material           | ABS / PC                     | ABS / PC                     |  |

**Inserto M8 maschio 3/4 poli per CS senza ghiera, contatti a crimpare**  
**Male M8 chassis 3/4 poles for PCB without nut, crimping contacts**



**TLC08M03WBC01**

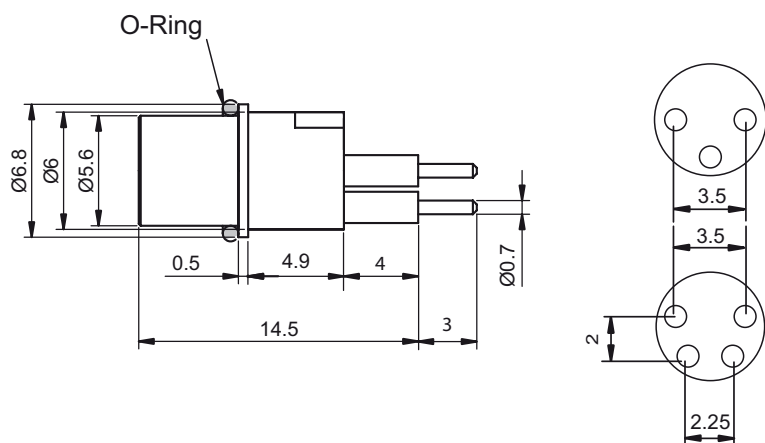
**TLC08M04WBC01**

| Technical specifications: | Crimping contacts (or soldering) | Crimping contacts (or soldering) |
|---------------------------|----------------------------------|----------------------------------|
| Norm reference            | IEC 60947-5-2                    | IEC 60947-5-2                    |
| Poles                     | 3                                | 4                                |
| Working temperature       | -25° C / +90° C                  | -25° C / +90° C                  |
| Nominal current           | 4A                               | 4A                               |
| Working tension           | 75 V ac                          | 75 V ac                          |
| Dielectric test           | 500 V dc                         | 500 V dc                         |
| Insulation resistance     | > = 10 GΩ                        | > = 10 GΩ                        |
| Contact resistance        | < = 5 mΩ                         | < = 5 mΩ                         |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wire section (mm²)         | 0.14 ÷ 0.35                  | 0.14 ÷ 0.35                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | “Ni” (std) or “Ag” or “AuCo” | “Ni” (std) or “Ag” or “AuCo” |
| Housing material           | ABS / PC                     | ABS / PC                     |



**Inserto M8 femmina 3/4 poli per CS senza ghiera, contatti a saldare**  
**Female M8 chassis 3/4 poles for PCB without nut, soldering contacts**

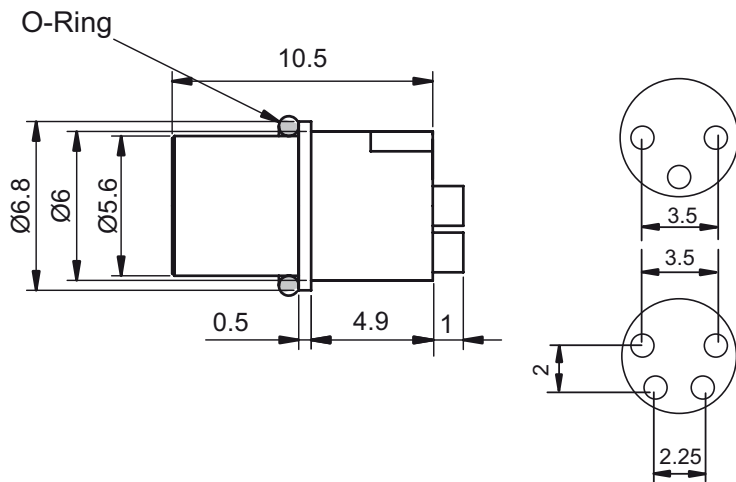


CE

| TLC08F03WCS01             |                    | TLC08F04WCS01      |  |
|---------------------------|--------------------|--------------------|--|
| Technical specifications: | Soldering contacts | Soldering contacts |  |
| Norm reference            | IEC 60947-5-2      | IEC 60947-5-2      |  |
| Poles                     | 3                  | 4                  |  |
| Working temperature       | -25° C / +90° C    | -25° C / +90° C    |  |
| Nominal current           | 4A                 | 4A                 |  |
| Working tension           | 75 V ac            | 75 V ac            |  |
| Dielectric test           | 500 V dc           | 500 V dc           |  |
| Insulation resistance     | > = 10 GΩ          | > = 10 GΩ          |  |
| Contact resistance        | < = 5 mΩ           | < = 5 mΩ           |  |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | “Ni” or “Ag” or “AuCo” (std) | “Ni” or “Ag” or “AuCo” (std) |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O. Ring                    | NBR                          | NBR                          |

**Inserto M8 femmina 3/4 poli per CS senza ghiera, contatti a crimpare**  
**Female M8 chassis 3/4 poles for PCB without nut, crimping contacts**



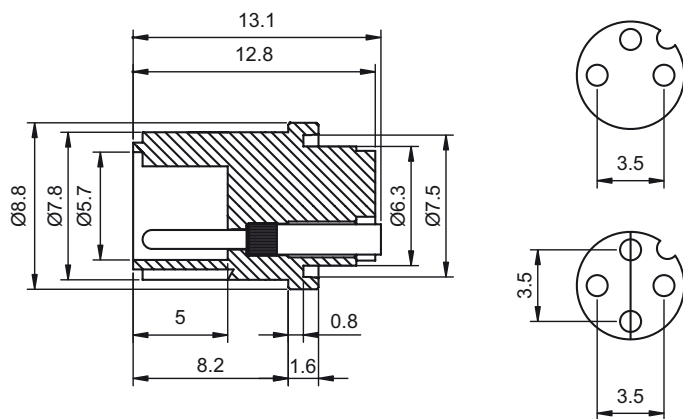
**TLC08F03WBC01**

**TLC08F04WBC01**

| Technical specifications: | Crimping contacts (or soldering) | Crimping contacts (or soldering) |
|---------------------------|----------------------------------|----------------------------------|
| Norm reference            | IEC 60947-5-2                    | IEC 60947-5-2                    |
| Poles                     | 3                                | 4                                |
| Working temperature       | -25° C / +90° C                  | -25° C / +90° C                  |
| Nominal current           | 4A                               | 4A                               |
| Working tension           | 75 V ac                          | 75 V ac                          |
| Dielectric test           | 500 V dc                         | 500 V dc                         |
| Insulation resistance     | > = 10 GΩ                        | > = 10 GΩ                        |
| Contact resistance        | < = 5 mΩ                         | < = 5 mΩ                         |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wire section (mm²)         | 0.14 ÷ 0.35                  | 0.14 ÷ 0.35                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | “Ni” (std) or “Ag” or “AuCo” | “Ni” (std) or “Ag” or “AuCo” |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O. Ring                    | NBR                          | NBR                          |

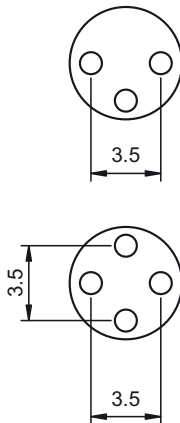
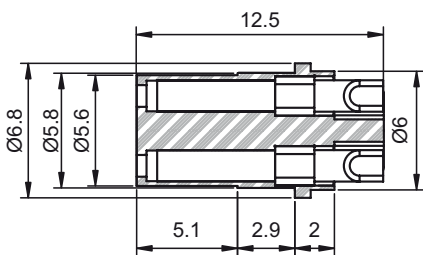
**Inserto maschio 3/4 poli per CS senza ghiera, contatti a crimpare**  
**Male chassis 3/4 poles for PCB without nut, crimping contacts**



CE

| TLC08M03WCS02              |                                  | TLC08M04WCS02                    |  |
|----------------------------|----------------------------------|----------------------------------|--|
| Technical specifications:  | Crimping contacts (or Soldering) | Crimping contacts (or Soldering) |  |
| Norm reference             | /                                | /                                |  |
| Poles                      | 3                                | 4                                |  |
| Working temperature        | -25° C / +90° C                  | -25° C / +90° C                  |  |
| Nominal current            | 4A                               | 4A                               |  |
| Working tension            | 75 V ac                          | 75 V ac                          |  |
| Dielectric test            | 500 V dc                         | 500 V dc                         |  |
| Insulation resistance      | > = 10 GΩ                        | > = 10 GΩ                        |  |
| Contact resistance         | < = 5 mΩ                         | < = 5 mΩ                         |  |
|                            |                                  |                                  |  |
| Components specifications: |                                  |                                  |  |
| Type of contact            | Turned contact                   | Turned contact                   |  |
| Contact material           | CuZnPb                           | CuZnPb                           |  |
| Contact treatment          | “Ni” (std) or “Ag” or “AuCo”     | “Ni” (std) or “Ag” or “AuCo”     |  |
| Housing material           | PA66                             | PA66                             |  |

**Inserto femmina 3/4 poli per CS senza ghiera, contatti a saldare**  
**Female chassis 3/4 poles for PCB without nut, soldering contacts**



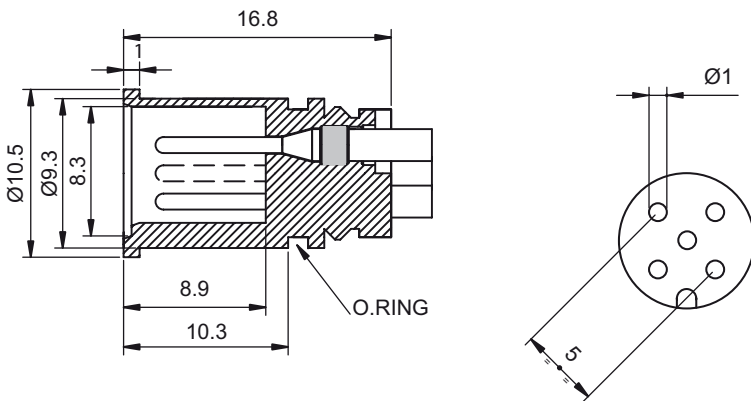
**TLC08F03WCS02**

**TLC08F04WCS02**

| Technical specifications: | Soldering contacts           | Soldering contacts |
|---------------------------|------------------------------|--------------------|
| Norm reference            | IEC 60947-5-2 (Only 3 poles) | /                  |
| Poles                     | 3                            | 4                  |
| Working temperature       | -25° C / +90° C              | -25° C / +90° C    |
| Nominal current           | 4A                           | 4A                 |
| Working tension           | 75 V ac                      | 75 V ac            |
| Dielectric test           | 500 V dc                     | 500 V dc           |
| Insulation resistance     | > = 10 GΩ                    | > = 10 GΩ          |
| Contact resistance        | < = 5 mΩ                     | < = 5 mΩ           |

| Components specifications: |                      |                      |
|----------------------------|----------------------|----------------------|
| Type of contact            | Turned contact       | Turned contact       |
| Contact material           | CuZnPb               | CuZnPb               |
| Contact treatment          | “Ag” (std) or “AuCo” | “Ag” (std) or “AuCo” |
| Housing material           | ABS                  | ABS                  |

**Inserto M12 maschio 4/5 poli per CS senza ghiera, contatti a crimpare**  
**Male M12 chassis 4/5 poles for PCB without nut, crimping contacts**



CE

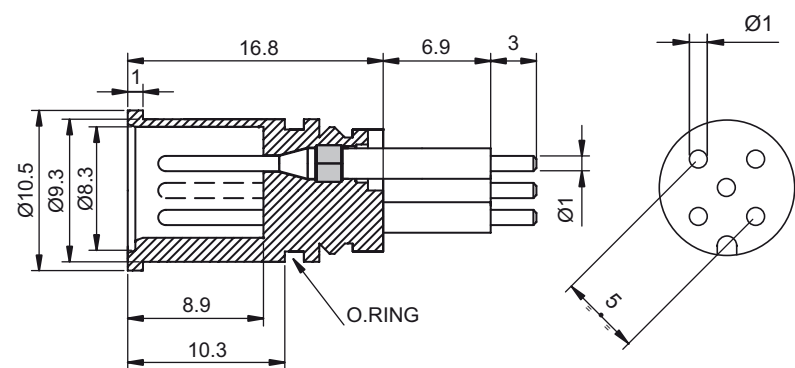
**TLC12M04WBC01**

**TLC12M05WBC01**

| Technical specifications: | Crimping contacts (or Soldering) | Crimping contacts (or Soldering) |
|---------------------------|----------------------------------|----------------------------------|
| Norm reference            | IEC 60947-5-2                    | IEC 60947-5-2                    |
| Poles                     | 4                                | 5                                |
| Working temperature       | -25° C / +90° C                  | -25° C / +90° C                  |
| Nominal current           | 4A                               | 3A                               |
| Working tension           | 250 V ac                         | 30 V ac                          |
| Dielectric test           | 1000 V dc                        | 1000 V dc                        |
| Insulation resistance     | > = 10 GΩ                        | > = 10 GΩ                        |
| Contact resistance        | < = 5 mΩ                         | < = 5 mΩ                         |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wires section (mm²)        | 0.14 ÷ 0.50                  | 0.14 ÷ 0.50                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | “Ni” or “Ag” or “AuCo” (std) | “Ni” or “Ag” or “AuCo” (std) |
| Housing material           | PUR / PC                     | PUR / PC                     |

**Inserto M12 maschio 4/5 poli per CS senza ghiera, contatti a saldare**  
**Male M12 chassis 4/5 poles for PCB without nut, soldering contacts**



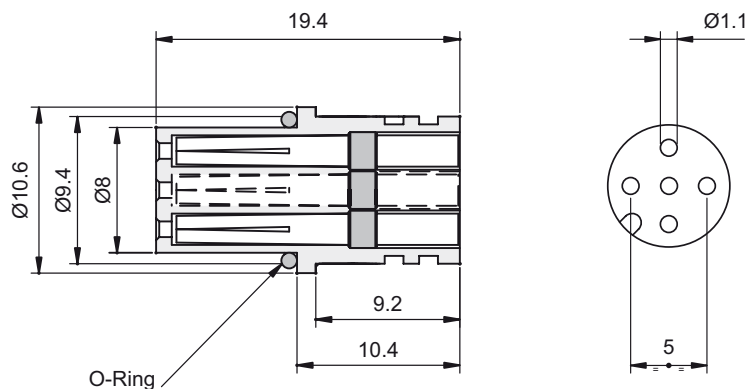
**TLC12M04WCS01**

**TLC12M05WCS01**

| Technical specifications: | Soldering contacts | Soldering contacts |
|---------------------------|--------------------|--------------------|
| Norm reference            | IEC 60947-5-2      | IEC 60947-5-2      |
| Poles                     | 4                  | 5                  |
| Working temperature       | -25° C / +90° C    | -25° C / +90° C    |
| Nominal current           | 4A                 | 3A                 |
| Working tension           | 250 V ac           | 30 V ac            |
| Dielectric test           | 1000 V dc          | 1000 V dc          |
| Insulation resistance     | > = 10 GΩ          | > = 10 GΩ          |
| Contact resistance        | < = 5 mΩ           | < = 5 mΩ           |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | "Ni" or "Ag" or "AuCo" (std) | "Ni" or "Ag" or "AuCo" (std) |
| Housing material           | PUR / PC                     | PUR / PC                     |

**Inserto M12 femmina 4/5 poli per CS senza ghiera, contatti a crimpare**  
**Female M12 chassis 4/5 poles for PCB without nut, crimping contacts**



CE

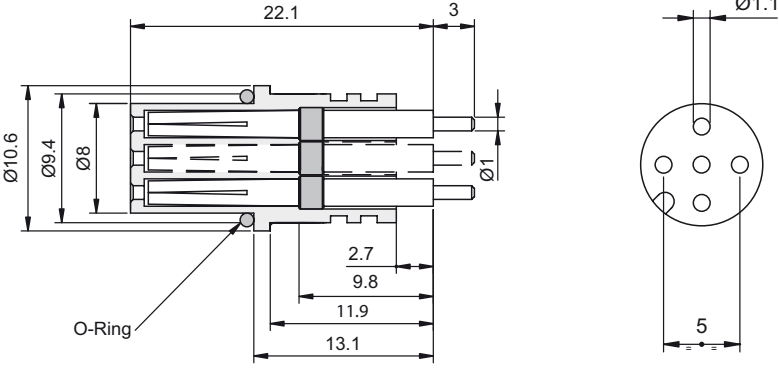
**TLC12F04WBC01**

**TLC12F05WBC01**

| Technical specifications: | Crimping contacts (or soldering) | Crimping contacts (or soldering) |
|---------------------------|----------------------------------|----------------------------------|
| Norm reference            | IEC 60947-5-2                    | IEC 60947-5-2                    |
| Poles                     | 4                                | 5                                |
| Working temperature       | -25° C / +90° C                  | -25° C / +90° C                  |
| Nominal current           | 4A                               | 3A                               |
| Working tension           | 250 V ac                         | 30 V ac                          |
| Dielectric test           | 1000 V dc                        | 1000 V dc                        |
| Insulation resistance     | > = 10 GΩ                        | > = 10 GΩ                        |
| Contact resistance        | < = 5 mΩ                         | < = 5 mΩ                         |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Wires section (mm²)        | 0.14 ÷ 0.50                  | 0.14 ÷ 0.50                  |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | “Ni” or “Ag” or “AuCo” (std) | “Ni” or “Ag” or “AuCo” (std) |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O.Ring                     | NBR                          | NBR                          |

Inserto M12 femmina 4/5 poli per CS senza ghiera, contatti a saldare  
Female M12 chassis 4/5 poles for PCB without nut, soldering contacts



**TLC12F04WCS01**

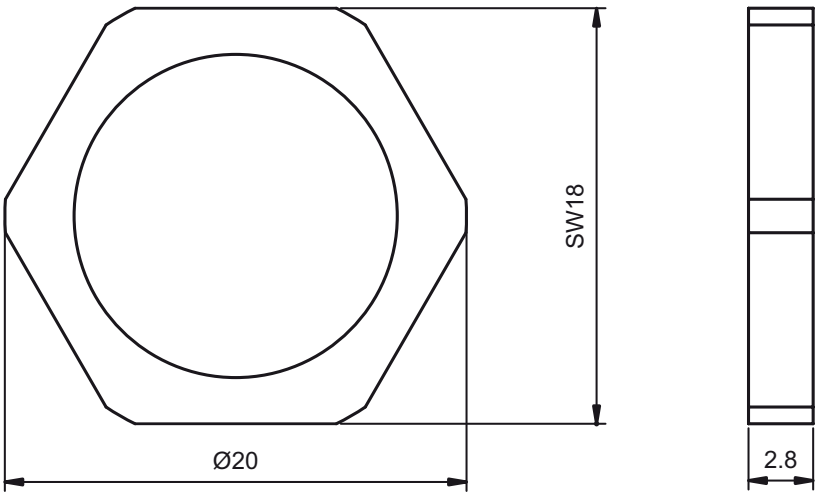
**TLC12F05WCS01**

| Technical specifications: | Soldering contacts | Soldering contacts |
|---------------------------|--------------------|--------------------|
| Norm reference            | IEC 60947-5-2      | IEC 60947-5-2      |
| Poles                     | 4                  | 5                  |
| Working temperature       | -25° C / +90° C    | -25° C / +90° C    |
| Nominal current           | 4A                 | 3A                 |
| Working tension           | 250 V ac           | 30 V ac            |
| Dielectric test           | 1000 V dc          | 1000 V dc          |
| Insulation resistance     | > = 10 GΩ          | > = 10 GΩ          |
| Contact resistance        | < = 5 mΩ           | < = 5 mΩ           |

| Components specifications: |                              |                              |
|----------------------------|------------------------------|------------------------------|
| Type of contact            | Turned contact               | Turned contact               |
| Contact material           | CuZnPb                       | CuZnPb                       |
| Contact treatment          | “Ni” or “Ag” or “AuCo” (std) | “Ni” or “Ag” or “AuCo” (std) |
| Housing material           | ABS / PC                     | ABS / PC                     |
| O.Ring                     | NBR                          | NBR                          |



**Controdado PG9**  
**Nut PG9**



**CCFONIPG9**

| Technical specifications: |                |
|---------------------------|----------------|
| Norm reference            | /              |
| Material                  | Brass Nickeled |
| Winding                   | PG 9           |
| SW                        | SW 18          |

**Note  
Notes**

**Note**  
.....  
**Notes**



# TEK<sup>®</sup>NEL

I prodotti TEK<sup>®</sup>NEL sono fabbricati da:  
TEK<sup>®</sup>NEL's products are made by:

**alcortek**



24040 Verdellino Loc. Zingonia (BG) - Italy  
Via Stoccolma, 21/23  
Tel. +39 035 885668 - +39 035 884244  
Fax +39 035 885554

web site: [www.alcortek.net](http://www.alcortek.net)  
e-mail: [info@alcortek.net](mailto:info@alcortek.net)