

## ***NGC Series***

*4, 6 & 12 poles*

*Signal connector according to NF F 61-030*

### **Technical Characteristics**

#### **Electrical**

Insulation Resistance : > 5000 MΩ  
Crimp Contact : AWG16 (0,5 à 2,5 mm<sup>2</sup>)  
Cable Capacities :  
EN 50306-2 cat. M : 0,5 to 2,5 mm<sup>2</sup>  
EN 50264-2-1 & EN 50264-3-1 (type 0.6/1 kV) : up to 1,5 mm<sup>2</sup>  
Grommet Capacity : Ø 1,15 to 2,85 mm  
Service Voltage : 220 V AC/DC according NF F 61-030  
500 V AC/DC according EN 50124-1/A2 (OV3-PD2)  
Withstanding voltage : 2550 V according NF F 61-030  
3500 V according to EN 50124-1/A2 (OV3-PD2)  
Nominal Current : up to 20 A

#### **Physico-chimique**

Service Temperature : -40°C +100°C (-40°F +212°F)  
Salt Spray > 250 hours  
Protection Index : IP 66 mated according to EN 60529  
Fluid Resistance : gasoil, mineral oil, acid, base and cutting fluid

#### **Material**

Contact : Gold or silver plated brass  
Female and Male Shells : Fiber glass reinforced polyamide  
Fire & Smoke :  
Requirement 2 according to NF F 16-101 & NF F 16-102  
UL94V0  
Grommet and Interfacial Seal : Silicone  
Fire & Smoke :  
Requirement 2 according to NF F 16-101 & NF F 16-102

#### **Mechanical**

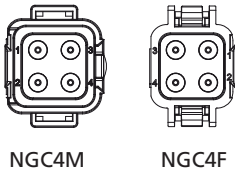
Durability : 500 mating cycles  
Vibration & Shocks resistance : category 1 class B according to EN 61373

#### **Wiring Implementation Instructions**

See FT10029

## Arrangements

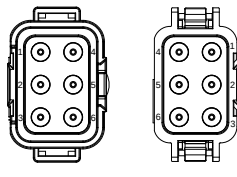
### Size 4



NGC4M

NGC4F

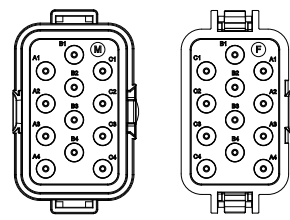
### Size 6



NGC6M

NGC6F

### Size 12

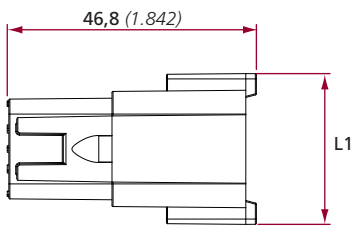


NGC12M

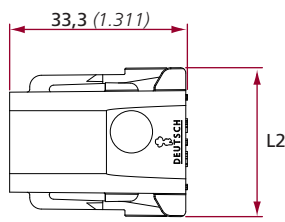
NGC12F

M : Male - F : Female

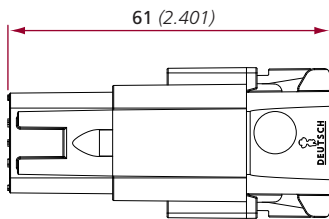
## Part Numbers & Dimensions



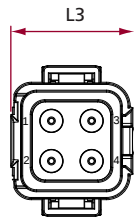
Male Plug



Female Plug



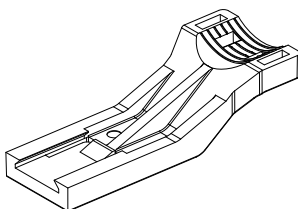
Mated Connector



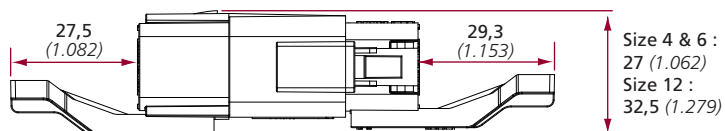
| Size | Part Number | L1              | L2              | L3              | Weight* |
|------|-------------|-----------------|-----------------|-----------------|---------|
| 4    | NGC4F       | 28,5<br>(1.122) | 28,2<br>(1.110) | 23,7<br>(0.933) | 14,9 g  |
|      | NGC4M       |                 |                 |                 | 17 g    |
| 6    | NGC6F       | 36,2<br>(1.425) | 35,9<br>(1.413) | 23,7<br>(0.933) | 20,4 g  |
|      | NGC6M       |                 |                 |                 | 23 g    |
| 12   | NGC12F      | 47,6<br>(1.874) | 47,3<br>(1.862) | 29,3<br>(1.153) | 36,8 g  |
|      | NGC12M      |                 |                 |                 | 38,5 g  |

mm / (inch)

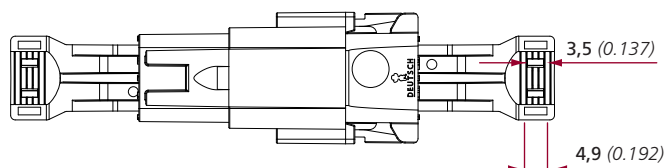
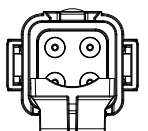
## Accessory : Strain Relief (mm/inch)



Part Number : **NGCASC**

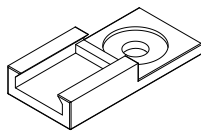


Size 4 & 6 :  
27 (1.062)  
Size 12 :  
32,5 (1.279)

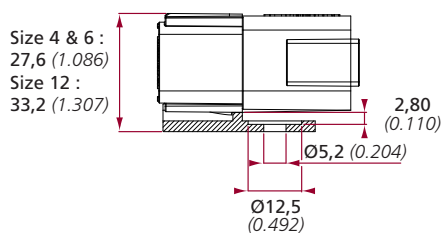


Cables tightening with a plastic collar

## ■ Accessory for Male Plug only : Panel Bracket (mm/inch)



Part Number : **NGCAFP**



## ■ Contacts



| Caliber | Plating | Cable section                                  | Part Number<br>MALE   | Crimping Tool            | Locator    | Insertion Tool | Extraction Tool |
|---------|---------|------------------------------------------------|-----------------------|--------------------------|------------|----------------|-----------------|
| Ø1,6 mm | Ag      | 0,5 to 1,82 mm <sup>2</sup><br>(AWG 20 to 15)  | <b>SRCS205589-A00</b> | OUT0405-0167AS0<br>(FT8) | OUTS208448 | OUT0405-0337AS | OUTEXT-0321     |
| Ø1,6 mm | Au      | 0,5 to 1,82 mm <sup>2</sup><br>(AWG 20 to 15)  | <b>SRCS205589-A01</b> | OUT0405-0167AS0<br>(FT8) | OUTS208448 | OUT0405-0337AS | OUTEXT-0321     |
| Ø1,6 mm | Ag      | 1,34 to 2,61 mm <sup>2</sup><br>(AWG 15 to 13) | <b>SRCS209432-A00</b> | OUT0405-0167AS0<br>(FT8) | OUTS208448 | OUT0405-0337AS | OUTEXT-0321     |
| Ø1,6 mm | Au      | 1,34 to 2,61 mm <sup>2</sup><br>(AWG 15 to 13) | <b>SRCS209432-A01</b> | OUT0405-0167AS0<br>(FT8) | OUTS208448 | OUT0405-0337AS | OUTEXT-0321     |

| Caliber | Plating | Cable section                                  | Part Number<br>FEMALE | Crimping Tool            | Locator                    | Insertion Tool | Extraction Tool |
|---------|---------|------------------------------------------------|-----------------------|--------------------------|----------------------------|----------------|-----------------|
| Ø1,6 mm | Ag      | 0,5 to 1,82 mm <sup>2</sup><br>(AWG 20 to 15)  | <b>SRCS202416-A00</b> | OUT0405-0167AS0<br>(FT8) | OUT0405-0176AS<br>(TP1012) | OUT0405-0337AS | OUTEXT-0321     |
| Ø1,6 mm | Au      | 0,5 to 1,82 mm <sup>2</sup><br>(AWG 20 to 15)  | <b>SRCS202416-A01</b> | OUT0405-0167AS0<br>(FT8) | OUT0405-0176AS<br>(TP1012) | OUT0405-0337AS | OUTEXT-0321     |
| Ø1,6 mm | Ag      | 1,34 to 2,61 mm <sup>2</sup><br>(AWG 15 to 13) | <b>SRCS202420-A00</b> | OUT0405-0167AS0<br>(FT8) | OUT0405-0176AS<br>(TP1012) | OUT0405-0337AS | OUTEXT-0321     |
| Ø1,6 mm | Au      | 1,34 to 2,61 mm <sup>2</sup><br>(AWG 15 to 13) | <b>SRCS202420-A01</b> | OUT0405-0167AS0<br>(FT8) | OUT0405-0176AS<br>(TP1012) | OUT0405-0337AS | OUTEXT-0321     |

Ag : Silver plated - Au : Gold plated

### CARRIER KHÉOPS BAC

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