



NGC CONNECTOR SERIES

4, 6, 12 & 28 POLES SIGNAL CONNECTOR

Technical Characteristics

Electrical

- Insulation Resistance : > 5000 M Ω
- Crimp Contact : 0.5 to 2.5 mm² (AWG20 to AWG13)
- Cable Capacities :
 - EN 50264-2-1 & EN 50264-3-1 (type 0.6/1 kV) : up to 1.5 mm²
 - EN 50306-2 cat. M : 0.5 to 2.5 mm²
- Grommet Capacity : $\varnothing$ 1.15 to 2.85 mm
- Service Voltage :
 - 220 V AC/DC according to NF F 61-030
 - 500 V AC/DC according to 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
- According to NF F 61-030

Environmental

- 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 : gas oil, mineral oil, acid, base and cutting fluid

Material

- Contact : Gold or silver plated brass
- Housing : Fiber glass reinforced polyamide
- Grommet and seal : Silicone
- Fire & Smoke :
 - EN 45545-2 : HL3 (R22 & R23)
 - Requirement 2 according to NF F 16-101 & NF F 16-102
 - UL94V0

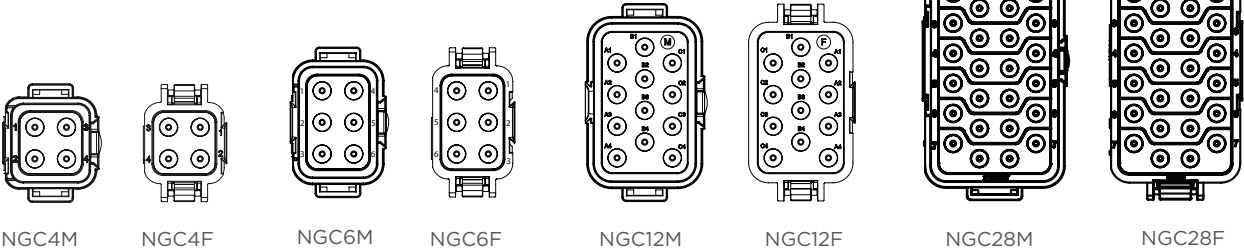
Mechanical

- Durability : 500 mating cycles
- Vibration & Shocks resistance : EN 61373 (Category 1B)

Wiring Implementation Instructions

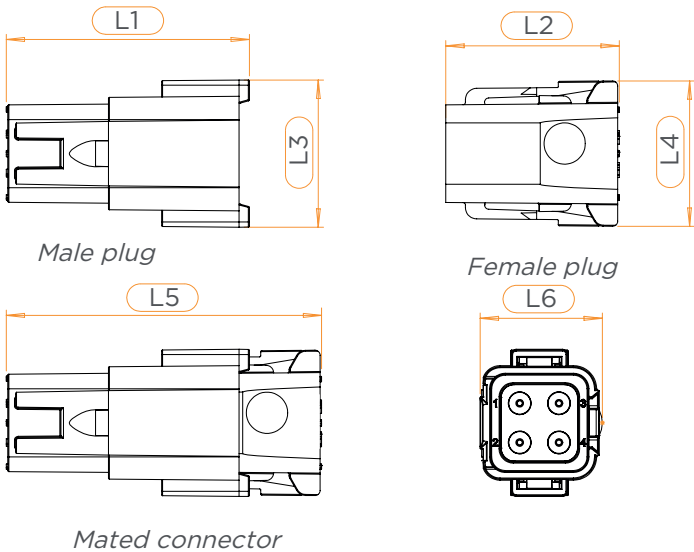
See FT10029

Arrangements & Part numbers



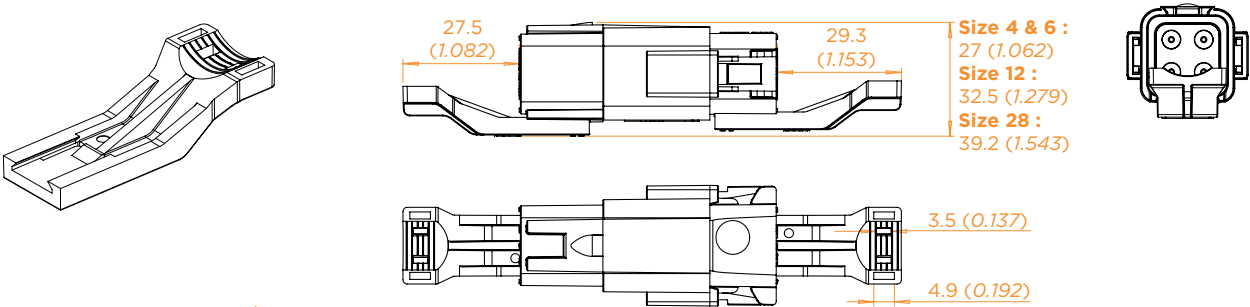
M : Male F : Female

Dimensions



Size	Dimensions (mm)						Weight (± 5% g) (without contacts)	
	L1	L2	L3	L4	L5	L6	Male receptacle	Female plug
4	46.8 (1.842)	33.3 (1.311)	28.5 (1.122)	28.2 (1.110)	61 (2.401)	23.7 (0.933)	17	14,9
6			36.2 (1.425)	35.9 (1.413)			23	20,4
12			47.6 (1.874)	47.3 (1.862)		29.3 (1.153)	38,5	36,8
28	49.8 (1.960)	36.3 (1.429)	70.4 (2.771)	70.4 (2.771)	66.5 (2.618)	37 (1.456)	84,4	82,7

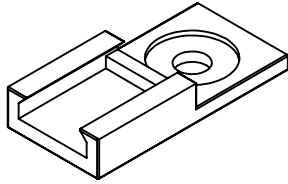
Accessory : Strain Relief (mm/inch)



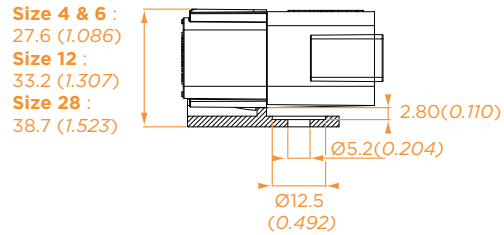
Part number : NGCASC / NGC28ASC (for size 28 only)

Cables tightening with a plastic collar

Accessory for Male Plug only : (mm/inch)



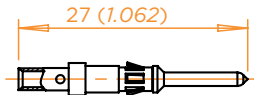
Part Number : **NGCAFP**



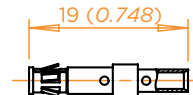
Maximum head height of the panel fastener (rivet or screw) : 2.6 mm

Contacts

Male Contact



Female Contact



Caliber	Plating	Cable Size	Part Number MALE	Crimping Tool	Locator	Insertion Tool	Extraction Tool
Ø1.6 mm	Ag	0.5 to 1.82 mm ² (AWG 20 to 15)	SRCS205589-A00	OUT0405-0167ASO (FT8)	OUTS208448	OUT0405-0337AS	OUTEXT-0321
	Au		SRCS205589-A01				
	Ag	1.34 to 2.61 mm ² (AWG 15 to 13)	SRCS209432-A00				
	Au		SRCS209432-A01				

Caliber	Plating	Cable Size	Part Number FEMALE	Crimping Tool	Locator	Insertion Tool	Extraction Tool
Ø1.6 mm	Ag	0.5 to 1.82 mm ² (AWG 20 to 15)	SRCS202416-A00	OUT0405-0167ASO (FT8)	OUT0405-0176AS (TP1012)	OUT0405-0337AS	OUTEXT-0321
	Au		SRCS202416-A01				
	Ag	1.34 to 2.61 mm ² (AWG 15 to 13)	SRCS202420-A00				
	Au		SRCS202420-A01				

Ag : Silver plated - Au : Gold plated

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