ITS 500 06 Series
Straight Cylindrical Plug
Assembly for Jacketed Cables and Plastic or Metallic Conduit

ITS 500 06 GC40 S W 95 A1 XX

Series ITS500 Unipolar Bayonet Connector

Connector Shell Style
06 (Straight Plug)

Connector Backshell Style
GC40 (Environmental, Jacketed Cables and Rubber Conduit)

Contact Gender
S (Female Contact)

Modification
XX (See Table 3 - Modification)

Cable Diameter Range
A1 (See Table 2 - Cable ø Range)

Contact Type
95 (See Table 1 - Contacts)

Alternative Rotation
Omitted (for Standard Version)
W: **90°**(Second Polarization Key)

Application Notes:
- Straight cylindrical plug with backshell for jacketed cable and plastic or metallic conduit. RoHS Compliant.
- Working voltage: 3000 Vcc. Test voltage: 12000 Vcc (1 min.).
- Water proof : IP67 level (coupled connectors).
- Contact resistance: 0.2 mOhm Max
- Temperature range: -55 +125°C.
- Contact: copper alloy with silver plating.
- Insulator: black thermoplastic resin according with UL94V0-NFF16-102:I2F1 (Exigency 4).
- Shells: Aluminium alloy with electrodeposited black paint.

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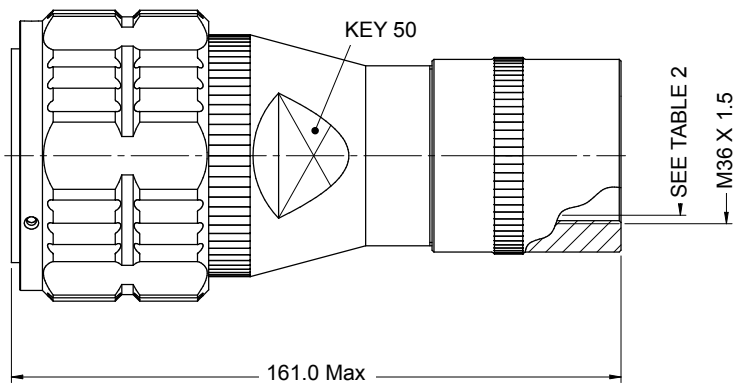

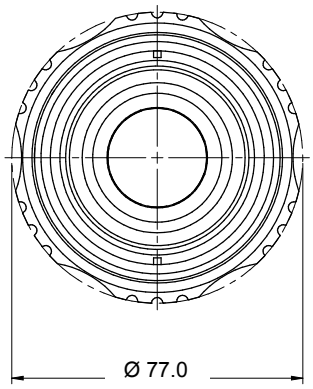

Female Contact Sketch

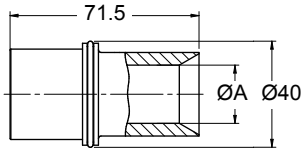

TABLE 1 - CONTACTS

Contact Type	Contact Gender	Contact P/N	Cable AWG *	Cable Section (mmq)	Working Current (A) **	Max Current (A) **	Conductor Min. Ø (mm)	Conductor Max Ø (mm)	Crimp Bucket - ØA - (mm)
95	Female	ITS 500-1420SG10	3/0	95	350	400	12.5	14.0	14.2
120	Female	ITS500-1600SG10	-	120	450	500	14.2	15.5	16.0
262 MCM	Female	ITS500-1750SG10	262 MCM	-	450	520	15.8	16.5	17.5
150	Female	ITS500-1750SG10	-	150	550	630	15.8	16.5	17.5
444 MCM	Female	ITS500-2200SG10	444 MCM	-	640	735	19.6	21.1	22.0
240	Female	ITS500-2200SG10	-	240	750	800	19.6	21.1	22.0
535 MCM	Female	ITS500-2680SG10	535 MCM	-	750	800	21.0	24.5	26.8

* For different cable dimensions, please contact the factory.

** Related to cables ampacity.

TABLE 2 - CABLE Ø RANGE

Cable Range Code	Min. Cable ø	Max Cable ø
A1	13	23
A2	19	29
A3	26	32

TABLE 3 - MODIFICATION CODES

Name	Modification
Omitted	Standard
B0	Connector Less Contacts
F7	Conductive Black Plating
K1	Stainless Receptacle
K2	Stainless Plug Shell for Straight Plug

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