

# Amphenol®



## TS1 8.0 Series



## Company Profile



### Amphenol Industrial Operations

Amphenol Industrial Operations, headquartered in a 30,000 square foot facility in Endicott, N.Y., provides a full range of high reliability power/signal connectors and interconnection systems specifically for the industrial markets including rail/mass transit, process control, automotive manufacturing, heavy equipment, wireless base stations and petrochemical/power generation.

Products include ruggedized-for-industry cylindrical, rectangular, fiber optic, signal and power, RADSOK power and power-to-board solutions, cable and harness assemblies, as well as industrialized versions of Amphenol's SAE AS 50151 cylindrical, MIL-DTL-26482 miniature cylindrical and GT reverse bayonet cylindrical connectors. Amphenol Industrial Operations employs more than 1,400 people globally and is ISO9001, TS96949 and MIL-STD-790 certified.



### Amphenol Technology (Zhuhai) Co., Ltd

Established in 2007, Amphenol Technology (Zhuhai) Co., Ltd. is a manufacturing facility for Amphenol Industrial Operations, which serves a number of industrial markets. Included but not limited to Factory Automation, Transportation, Heavy Equipment, Alternative Energy, Energy Storage. Server/Data Comm and Power Distribution. Amphenol Technology (Zhuhai) Co., Ltd. covers an area of 276,000 ft<sup>2</sup> and is equipped with CNC, plating, injection molding and assembly workshops. This plant specializes in the design and manufacturing of industrial connectors featuring high power, high density, medium to high voltage electrical properties, and harsh environment applications. With industry leading engineering, design and manufacturing expertise, Amphenol Technology(Zhuhai) Co., Ltd. has earned more than 60 utility patents on its innovative interconnects. Many of the products produced have been certified by independent standards including UL, IEC/TUV, ATEX, IECEx and MA. The facility is also certified to ISO 9001, ISO 14001 and IATF 16949.

### Product Description

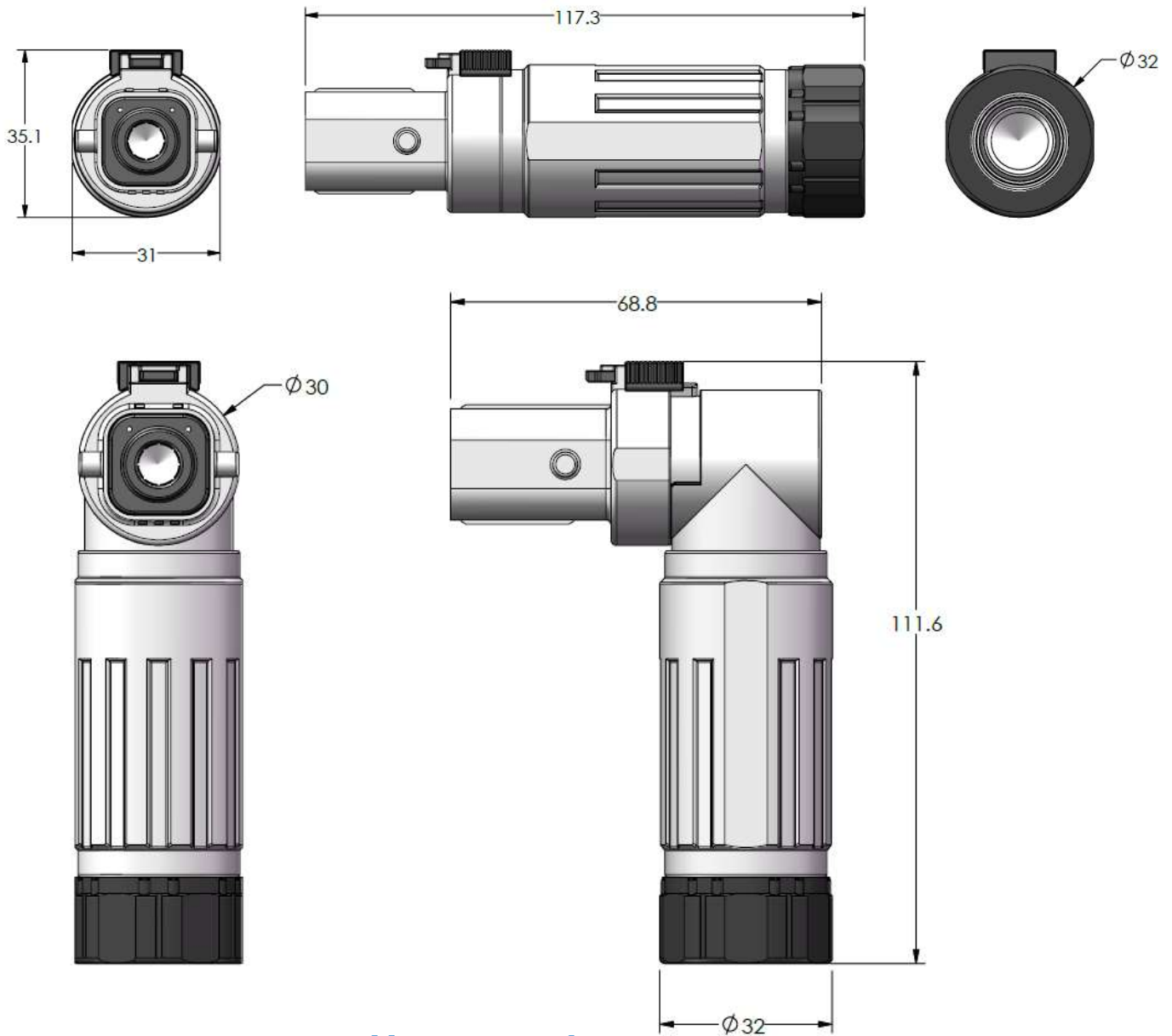
Product: TS1 Series

Market Segment: E-heavy Truck And E-construction

Application: OBC/PDU/Battery/Pump/Controller/DC-DC/Motor

Product Definition	
Contact pole	1
EMI	YES
HVIL	Optional
Protection level	IP2XB
Standards/Regulation	J2030 USCAR2
Compliance	ROHS REACH
Origin	China
HS CODE	8535900090
Mechanical	
Mating Cycles	200
Vibration	20G
Electrical	
Voltage Rating Of Power	1000V DC
Voltage Rating Of HVIL	25V DC
Insulation Resistance	≥500MΩ
Current Rating Of Power	300A/70mm <sup>2</sup>
Current Rating Of Power	250A/50mm <sup>2</sup>
Current Rating Of Power	200A/35mm <sup>2</sup>
Environmental	
Salt Spray	720H
Water Proof mated condition	IP6K9K
Temperature(Operation)	-40~125°C
Material	
Shell	Zinc Diecasting
Contact	Copper
Sealing	Silicone
Insert	PA
Latch	Stainless steel

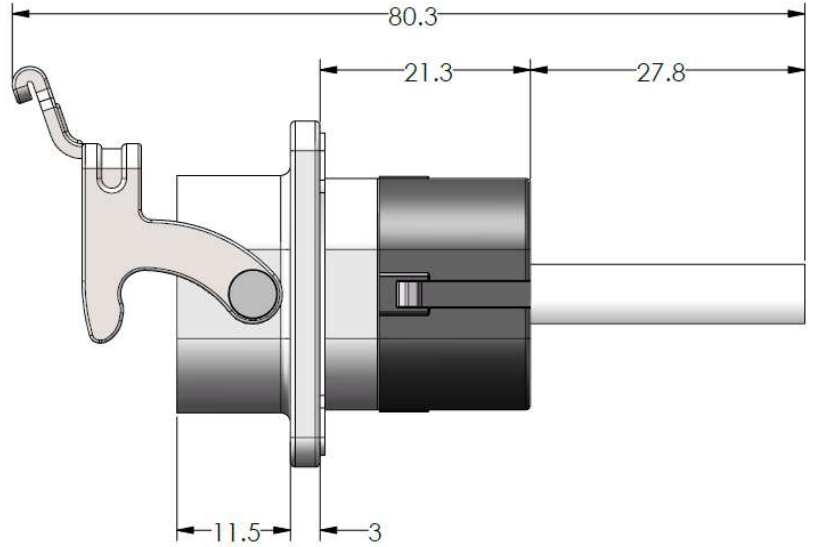
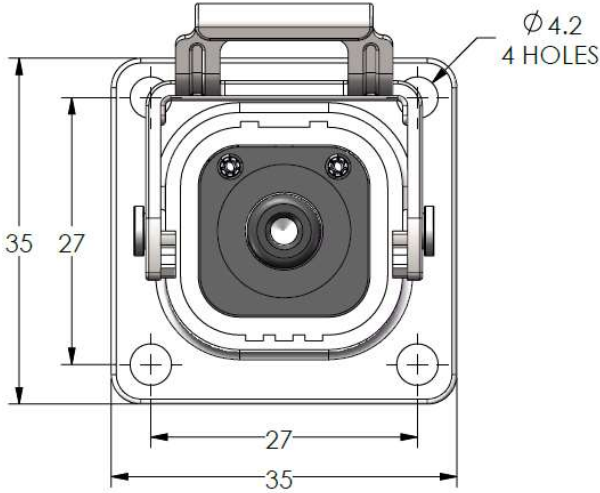
**CABLE PLUG (in mm)**



**How to order**

TS	06	80	1(2)	N	C9	U	(XXX)
TS1 Product type	06: Straight Plug	8.0 series : size 8.0 contact	1: Contact QTY is 1	Polarization: N/W/X/Y/Z	C7: Crimp 35mm <sup>2</sup>	Omit: EMI U: no EMI	(001)-(999): Customer specific modification
	08: Right angle Plug		(2) With HVIL		C8: Crimp 50mm <sup>2</sup>		
			(0) No HVIL		C9: Crimp 70mm <sup>2</sup>		

RECEPTACLE (in mm)



How To Order

TS	02	80	1(2)	N	C9	(XXX)
TS1 Product type	02: Receptacle	8.0 series: size8.0 contact	1: Contact QTY is 1	Polarization: N/W/X/Y/Z	LM: Lug M10	(001)-(999): Customer specific modification
			(2) With HVIL		RM: Right Angle Lug M10	
			(0) No HVIL		LT: Lug Through Hole 10	
					RH: Right angle Lug Through Hole 10	
					M8: lug M8	



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