

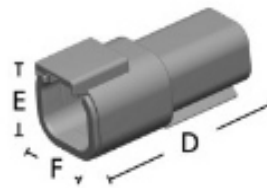
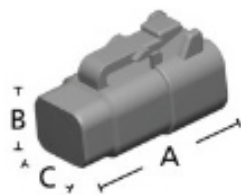
DTP Connectors

DEUTSCH DTP Series connectors are the solution for your power application requirements. Building on both the DT and DTM design strengths, the DTP connector line was developed to fill the need for higher amperage, multi-pin, inexpensive connectors. The DTP Series offers the designer the ability to use multiple size 12 contacts, each with a 25 amp continuous capacity, within a single shell. The DTP connectors are currently available in two and four pin configurations.



Features

- Accepts contact size 12 (25 amps)
- 10-14 AWG
- 2 and 4 cavity arrangements
- In-line, flange, or PCB mount
- Rectangular, thermoplastic housing
- Integrated latch for mating
- Wedgelocks assure contact alignment and retention



Cavity	DTP Plug						DTP Receptable					
	Overall Length		Overall Height		Overall Width		Overall Length		Overall Height		Overall Width	
	A		B		C		D		E		F	
2	1.364	34.65	0.711	18.06	0.732	18.59	1.861	47.27	0.869	22.07	0.732	18.59
4	1.364	34.65	0.96	24.38	0.868	22.05	1.861	47.27	1.069	27.15	0.868	22.05

Performance Specifications

DEUTSCH electrical connectors will stand up to the harsh environmental challenges that are common to industrial markets that require advanced performance. Proper parts, procedures, and tooling must be used.

Temperature

Operating at temperatures from -55° C to +125° C continuous at rated current.

Durability

No electrical or mechanical defects after 100 cycles of engagement and disengagement.

Vibration

No unlocking or unmating and exhibits no mechanical or physical damage after sinusoidal vibration levels of 20 G's at 10 to 2000 Hz in each of the three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond.

Physical Shock

No unlocking, unmating, or other unsatisfactory result during or after 50 G's in each of three mutually perpendicular planes. No electrical discontinuities longer than 1 microsecond. MIL-STD 202, Method 213, Condition "C".

Fluid Resistance

Connectors show no damage when exposed to most fluids used in industrial applications.

Insulation Resistance

1000 megohms minimum at 25° C.

Moisture Resistance

Properly wired and mated connections will withstand immersion under three feet of water without loss of electronic qualities or leakage.

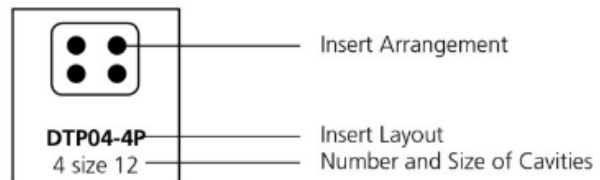
Dielectric Withstanding Voltage

Current leakage less than 2 milliamps at 1500 VAC.

Thermal Cycle

No cracking, chipping or leaking after 20 test cycles from -55° C to +125° C.

DTP Configurator:







DTP0*-2*
2 size 12



DTP0*-4*
4 size 12

Wedglock:

Receptacle		
	WP-2P	Wedglock for 2 way receptacle
	WP-4P	Wedglock for 4 way receptacle

Plug		
	WP-2S	Wedglock for 2 way plug
	WP-4S	Wedglock for 4 way plug

Boots:

Receptacle Boot Description	Boot P/N
2 way receptacle boot, gray	DTP2P-BT
2 way receptacle boot, black	DTP2P-BT-BK
3 way receptacle boot, gray	-
3 way receptacle boot, black	-
4 way receptacle boot, gray	DTP4P-BT
4 way receptacle boot gray enhanced length	DTP4P-BT-EN
6 way receptacle boot, black	-
8 way receptacle boot, gray	-
8 way receptacle boot, black	-
12 way receptacle boot, gray	-
12 way receptacle boot, black	-
12 way receptacle boot, gray, enhanced length	-



Plug Boot Description	Boot P/N
2 way plug boot, gray	DTP2S-BT
2 way plug boot, black	-
3 way plug boot, gray	-
3 way plug boot, black	-
4 way plug boot, gray	DTP4S-BT
4 way plug boot gray enhanced length	DTP4S-BT-EN
6 way plug boot, black	-
8 way plug boot, gray	-
8 way plug boot, black	-
12 way plug boot, gray	-
12 way plug boot, black	-
12 way plug boot, gray, enhanced length	-
48 way plug boot, gray	-



Mounting Clips:

Mounting Clip	Part Number	Used On (Receptacles)	Mounting Direction	Color/Material	Hole O.D. inches (mm)
	1027-003-1200	DT 2, 3, 4, 6, 12 DTM, DTP (all)	Straight	Stainless steel	.433 (11.0)
	1027-005-1200	DT 2, 3, 4, 6, 12 DTM, DTP (all)	Straight	Stainless steel	.512 (13.0)
	1027-004-1200	DT 2, 3, 4, 6, 12 DTM, DTP (all)	Straight	Steel w/ zinc plating	.512 (13.0)
	1027-008-1200	DT 2, 3, 4, 6, 12 DTM, DTP (all)	Side	Steel w/ zinc plating	.433 (11.0)
	1027-013-1200	DT 2, 3, 4, 6, 12 DTM, DTP (all)	Side	Steel w/ zinc plating	.323 (8.2)
	1027-001-0800	DT 8 cavity only	Straight	Stainless steel	.433 (11.0)
	1027-006-0800	DT 8 cavity only	Straight	Stainless steel	.512 (13.0)
	1027-002-0800	DT 8 cavity only	Straight	Steel w/ zinc plating	.512 (13.0)
	1027-014-0800	DT 8 cavity only	Straight	Steel w/ zinc plating	.323 (8.2)
	1011-026-0205	DT 2, 3, 4, 6, 12 DTM, DTP (all)	Straight	Gray plastic	.200 (5.08)
	1011-030-0205	DT 2, 3, 4, 6, 12 DTM, DTP (all)	Straight	Black plastic	---
	1011-310-0205* *Connector removable with 50N of force	DT 2, 3, 4, 6, 12 DTM, DTP (all)	Straight	Black plastic	---
	1011-027-0805	DT 8 cavity only	Straight	Gray plastic	.200 (5.08)

Standard Contacts:








Size	Solid Contact Part Numbers		Wire Size AWG (mm ²)	Recommended Strip Length Inches (mm)	Min. Contact Retention	Ref Crimp Tensile Lbs. (N)	Max Rated Amps at 125° Continuous
	Pin	Socket					
20	0460-202-20**	0462-201-20**	20 (0.50)	.156-.218 (3.96-5.54)	20 (89)	20 (89)	7.5
20	0460-010-20**	0462-005-20**	16-18 (1.0-0.75)	.156-.218 (3.96-5.54)	20 (89)	20 (89)	7.5
16	0460-202-16**	0462-201-16**	16-20 (1.5-0.50)	.250-.312 (6.35-7.92)	25 (111)	35-20 (156-89)	13
16	0460-215-16**	0462-209-16**	14 (2.0)	.250-.312 (6.35-7.92)	25 (111)	70 (311)	13
12	0460-204-12**	0462-203-12**	12-14 (3.0-2.0)	.222-.284 (5.64-7.21)	30 (134)	75-70 (334-311)	25
8	0460-204-08**	0462-203-08**	8-10 (8.0-5.0)	.430-.492 (10.92-12.50)	35 (156)	125-90 (556-400)	60
4	0460-204-04**	0462-203-04**	6 (13.0)	.430-.492 (10.92-12.50)	35 (156)	300 (1334)	100

** = Plating Codes. Consult factory for custom finish needs.

Material Code:

Part Number Suffix (**)	Material
31	Gold
90	Nickel (Size 4 pin only)
141	Nickel

Sealing Plugs:

Sealing Plug	Part Number	Contact Size	Wire Gauge Range	Description
	114019	Size 4	4-6 AWG	silicone rubber, used with Common Contact System
	114018	Size 8	8-10 AWG	thermoplastic, used with Common Contact System
	114017	Size 12, 16	12-20 AWG	thermoplastic, used with Common Contact System
	0413-217-1605 (locking sealing plug)	Size 16	14-20 AWG	thermoplastic, used with Common Contact System, retained by locking fingers
	0413-003-1605	Size 16	14-20 AWG	thermoplastic, used with STRIKE Series
	0413-204-2005	Size 20	20 AWG	thermoplastic, used with Common Contact System
	600300-22	Size 22	22-26 AWG	thermoplastic, used with Quick Connect Series

Please contact us for further information, prices and lead time.