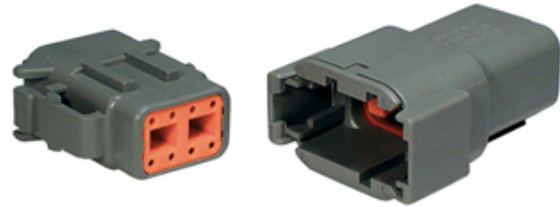


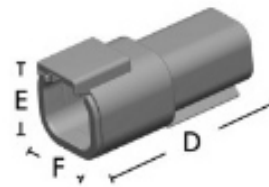
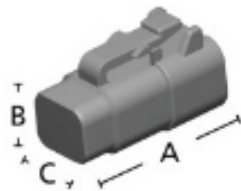
## DTM Connectors

DEUTSCH DTM Series connectors are the answer to all of your smaller wire gauge applications. Building on the DT design strengths, the DTM connector line was developed to fill the need for lower amperage, multi-pin, inexpensive connectors. The DTM Series offers the designer the ability to use multiple size 20 contacts, each with 7.5 amp continuous capacity, within a single shell.



### Features

- Accepts contact size 20 (7.5 amps)
- 16-22 AWG
- 2, 3, 4, 6, 8 and 12 cavity arrangements
- In-line, flange or PCB mount
- Rectangular, thermoplastic housing
- Integrated latch for mating
- Wedgelocks assure contact alignment and retention



Cavity	DTM Plug						DTM Receptable					
	Overall Length		Overall Height		Overall Width		Overall Length		Overall Height		Overall Width	
	A		B		C		D		E		F	
2	1.62	41.15	0.638	16.21	0.475	12.07	1.085	27.56	0.508	12.90	0.651	16.54
3	1.62	41.15	0.638	16.21	0.64	16.26	1.085	27.56	0.551	14.00	0.861	20.73
4	1.72	43.69	0.772	19.61	0.6	15.24	1.185	30.10	0.695	17.65	0.756	19.20
6	1.72	43.69	0.937	23.80	0.6	15.24	1.185	30.10	0.817	20.75	0.756	19.20
8	1.72	43.69	0.796	20.22	1.245	31.62	1.185	30.10	0.6	15.24	1.245	31.62
12	1.72	43.69	0.796	20.22	1.575	40.01	1.185	30.10	0.6	15.24	1.575	40.01

## 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.

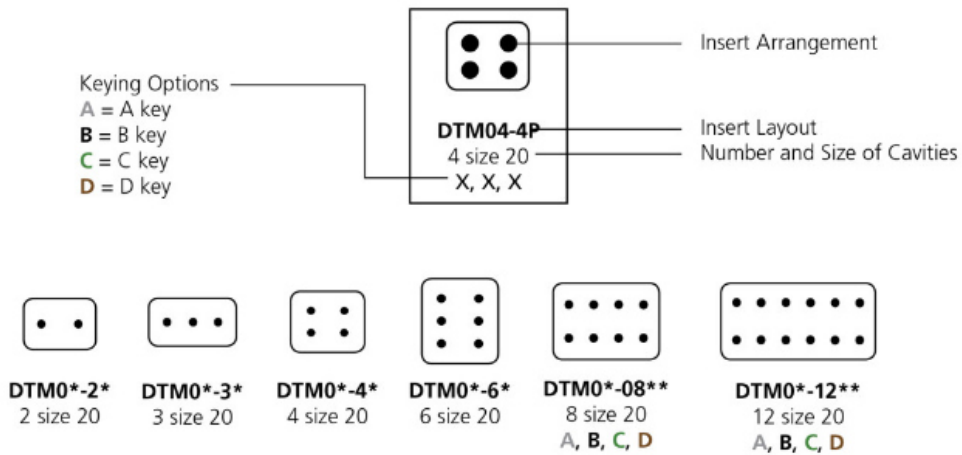
### Dielectric Withstanding Voltage

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.

## DTM Configurator:



## Wedgelock:

Receptacle		
	WM-2P*	Wedgelock for 2 way receptacle *A, B, C, D keying available
	WM-3P	Wedgelock for 3 way receptacle
	WM-4P	Wedgelock for 4 way receptacle
	WM-6P	Wedgelock for 6 way receptacle
	WM-8P	Wedgelock for 8 way receptacle
	WM-12P	Wedgelock for 12 way receptacle

Plug		
	WM-2S*	Wedgelock for 2 way plug *A, B, C, D keying available
	WM-3S	Wedgelock for 3 way plug
	WM-4S	Wedgelock for 4 way plug
	WM-6S	Wedgelock for 6 way plug
	WM-8S	Wedgelock for 8 way plug
	WM-12S	Wedgelock for 12 way plug

## Boots:

Receptacle Boot Description	Boot P/N
2 way receptacle boot, gray	DTM2P-BT
2 way receptacle boot, black	DTM2P-BT-BK
3 way receptacle boot, gray	DTM3P-BT
3 way receptacle boot, black	-
4 way receptacle boot, gray	DTM4P-BT
6 way receptacle boot, gray	DTM6P-BT
6 way receptacle boot, black	-
8 way receptacle boot, gray	DTM8P-BT
8 way receptacle boot, black	-
12 way receptacle boot, gray	DTM12P-BT
12 way receptacle boot, black	DTM12P-BT-BK
12 way receptacle boot, gray, enhanced length	-



Plug Boot Description	Boot P/N
2 way plug boot, gray	DTM2S-BT
2 way plug boot, black	DTM2S-BT-BK
3 way plug boot, gray	DTM3S-BT
3 way plug boot, black	DTM3S-BT-BK
4 way plug boot, gray	DTM4S-BT
6 way plug boot, gray	DTM6S-BT
6 way plug boot, black	-
8 way plug boot, gray	DTM8S-BT
8 way plug boot, black	DTM8S-BT-BK
12 way plug boot, gray	DTM12S-BT
12 way plug boot, black	DTM12S-BT-BK
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 <sup>2</sup> )	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