

DEUTSCH DT COLOR CONNECTORS

KEY BENEFITS

- Utilizes the high-performance DEUTSCH size 16 common contact system
- Achieves IP67, IP68, and IP6K9K sealing levels (with back shell)
- Designed for extreme temperatures (-55°C +125°C) and engine-level vibrations
- New brown, blue and green color options provide visual keying that helps prevent mismatching of connection
- Constructed from engineering grade resin materials compliant with UL94 V-0 flammability ratings

TE Connectivity now offers 2 - 6 position DEUTSCH DT wire-to-wire connectors in three new color options. These new colors offer a simple yet highly effective visual keying that helps prevent mismatching of connections and also enables the identification of different and critical systems.

DEUTSCH DT connectors are designed for high-performance and reliable connections in industrial and commercial transportation applications, such as under the hood, on the chassis, and in the cab. The VO-rated thermoplastic housing features a wide operating temperature range and resistance to UV exposure. The silicone rear wire and interface seals prevent debris and moisture ingress up to IP68 rating.

APPLICATIONS



Wire-To-Wire



Engine



Chassis



Automation

INDUSTRIES



Truck



Construction



Bus



Power Sports



Specialty Vehicles



Marine



Agriculture



Lift Truck



Recreational

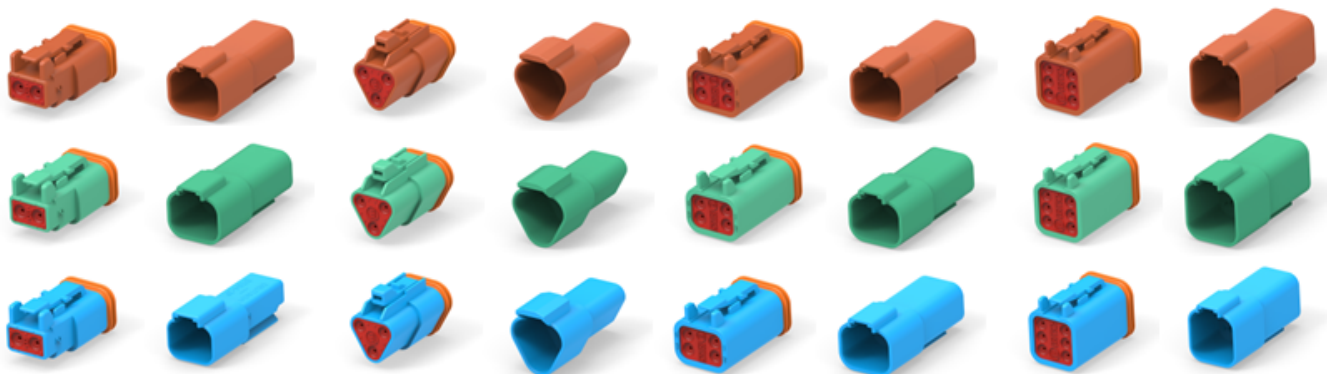
PRODUCT FEATURES

Protection	IP67, IP68, and IP6K9K (with rear protection)
Operating Temperature	-55° to +125°C
Operating Voltage	12/24 V
Position Size	2, 3, 4, 6
Contact/Terminal system	DEUTSCH Size 16 Contacts
Operating Current	13 A
Housing Color	Brown, Blue, Green



SEALING RANGE

Conductor Range	Insulation OD Sealing Range (in mm)	Seal Type
14-20 AWG [2.5-0.5 mm ²]	.088-.145 [2.23-3.68]	N-Seal
	.053-.120 [1.35-3.05]	E-Seal



PART NUMBERS

Position	Color	Seal	Plug TE PN	Plug DEUTSCH PN	Rec TE PN	Rec DEUTSCH PN
2 Positions	Brown	E Seal	1-2448100-1	DT06-2S-TE09	1-2448108-1	DT04-2P-TE09
	Green		1-2448100-2	DT06-2S-TE03	1-2448108-2	DT04-2P-TE03
	Blue		1-2448100-3	DT06-2S-TE07	1-2448108-3	DT04-2P-TE07
	Brown	N Seal	2-2448100-1	DT06-2S-TN09	2-2448108-1	DT04-2P-TN09
	Green		2-2448100-2	DT06-2S-TN03	2-2448108-2	DT04-2P-TN03
	Blue		2-2448100-3	DT06-2S-TN07	2-2448108-3	DT04-2P-TN07
3 Positions	Brown	E Seal	1-2448102-1	DT06-3S-TE09	1-2448110-1	DT04-3P-TE09
	Green		1-2448102-2	DT06-3S-TE03	1-2448110-2	DT04-3P-TE03
	Blue		1-2448102-3	DT06-3S-TE07	1-2448110-3	DT04-3P-TE07
	Brown	N Seal	2-2448102-1	DT06-3S-TN09	2-2448110-1	DT04-3P-TN09
	Green		2-2448102-2	DT06-3S-TN03	2-2448110-2	DT04-3P-TN03
	Blue		2-2448102-3	DT06-3S-TN07	2-2448110-3	DT04-3P-TN07
4 Positions	Brown	E Seal	1-2448104-1	DT06-4S-TE09	1-2448112-1	DT04-4P-TE09
	Green		1-2448104-2	DT06-4S-TE03	1-2448112-2	DT04-4P-TE03
	Blue		1-2448104-3	DT06-4S-TE07	1-2448112-3	DT04-4P-TE07
	Brown	N Seal	2-2448104-1	DT06-4S-TN09	2-2448112-1	DT04-4P-TN09
	Green		2-2448104-2	DT06-4S-TN03	2-2448112-2	DT04-4P-TN03
	Blue		2-2448104-3	DT06-4S-TN07	2-2448112-3	DT04-4P-TN07
6 Positions	Brown	E Seal	1-2448106-1	DT06-6S-TE09	1-2448114-1	DT04-6P-TE09
	Green		1-2448106-2	DT06-6S-TE03	1-2448114-2	DT04-6P-TE03
	Blue		1-2448106-3	DT06-6S-TE07	1-2448114-3	DT04-6P-TE07
	Brown	N Seal	2-2448106-1	DT06-6S-TN09	2-2448114-1	DT04-6P-TN09
	Green		2-2448106-2	DT06-6S-TN03	2-2448114-2	DT04-6P-TN03
	Blue		2-2448106-3	DT06-6S-TN07	2-2448114-3	DT04-6P-TN07

SECONDARY WEDGELOCKS

DEUTSCH DT style electrical connectors require secondary wedgelocks which are sold separately. The wedgelocks confirm proper contact alignment within each connector. Secondary wedgelocks are assembled at the mating interface and press into place. If the secondary wedgelocks are not properly seated during assembly, they will be pressed into locked position during the mating of the connector.

Type	Position Size	TE PN	Color
Wedgelock for Plugs	2	W2S-P012*	Green
	3	W3S-P012*	Green
	4	W4S-P012*	Green
	6	W6S-P012	Green
Wedgelock for Receptacles	2	W2P*	Green
	3	W3P*	Green
	4	W4P*	Green
	6	W6P	Green

*Note: Additional keyed wedgelock versions are available, please contact your representative

MOUNTING CLIP

Mounting clips are installed on the receptacle to mount the DEUTSCH DT series connectors. To meet design needs, the clips are available for several configurations and in plastic, stainless steel, or steel with zinc plating.

Part Number	Cavity Arrangement	Mounting direction	Material	Hole Mounting inches (mm)
1027-003-1200	2, 3, 4, 6, 12	Straight	Stainless steel	.433 (11.0)
1027-005-1200	2, 3, 4, 6, 12	Straight	Stainless steel	.512 (13.0)
1027-004-1200	2, 3, 4, 6, 12	Straight	Steel w/zinc plating	.512 (13.0)
1027-008-1200	2, 3, 4, 6, 12	Side	Steel w/zinc plating	.433 (11.0)
1027-017-1200	2, 3, 4, 6, 12	Side	Steel w/zinc plating	.323 (8.2)
1011-026-0205	2, 3, 4, 6, 12	Straight	Gray plastic	.200 (5.08)

BACKSHELLS

The DEUTSCH DT series backshells are designed to snap onto and mate with all standard DEUTSCH DT series connectors (basic plug and receptacles without modifications that affect the rear of the connector). The rigid, durable backshells offer a high level of protection and allow convoluted tubing to nest within the rear of the backshell. Straight (180°) and right angle (90°) versions and backshells with strain relief for jacketed cable are also available. Since the backshells are designed to work with the standard DT connectors, tests should be conducted for fit and function of a backshell being used on any part with a modification.

Connector	Style	Strain Relief	Tubing Size (mm)	Part Number	
2 way Receptacle without cap	180°		6, 7.5, 8.5 and 10	1011-229-0205	
		X		1011-257-0205	
	90°			1011-230-0205	
		X		1011-258-0205	
3 way Receptacle without cap	180°			1011-233-0305	
		X		1011-261-0305	
	90°			1011-234-0305	
		X		1011-262-0305	
4 way Receptacle without cap	180°			1011-237-0405	
		X		1011-265-0405	
	90°			1011-238-0405	
		X		1011-266-0405	
6 way Receptacle without cap	180°		8.5, 10, and 13	1011-241-0605	
		X		1011-269-0605	
	90°			1011-242-0605	
		X		1011-270-0605	
2 way Plug without cap	180°			6, 7.5, 8.5 and 10	1011-227-0205
		X			1011-255-0205
	90°				1011-228-0205
		X			1011-256-0205
3 way Plug without cap	180°		1011-231-0305		
		X	1011-259-0305		
	90°		1011-232-0305		
		X	1011-260-0305		
4 way Plug without cap	180°		1011-235-0405		
		X	1011-263-0405		
	90°		1011-236-0405		
		X	1011-264-0405		
6 way Plug without cap	180°		8.5, 10, and 13	1011-239-0605	
		X		1011-267-0605	
	90°			1011-240-0605	
		X		1011-268-0605	

ABOUT TE CONNECTIVITY

TE Connectivity is a \$12 billion global industrial technology leader creating a safer, sustainable, productive and connected future. Our broad range of connectivity and sensor solutions, proven in the harshest environments, enable advancements in transportation, industrial applications, medical technology, energy, data communications and the home. With approximately 80,000 employees, including more than 7,500 engineers, working alongside customers in approximately 140 countries, TE ensures that EVERY CONNECTION COUNTS. Learn more at www.te.com and on LinkedIn, Facebook, WeChat and Twitter.

LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. For additional information or product assistance, please contact your field representative or our customer service department.

TECHNICAL SUPPORT

Additional information is also available on the website te.com/ict.

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