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TE Connectivity / DEUTSCH



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Connector Product Guide for Industrial and Commercial Vehicles

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Special Connectors

Upon request, DEUTSCH AEC, DRB, DRC, DTV and Strike connectors are also available to purchase from Dalroad.

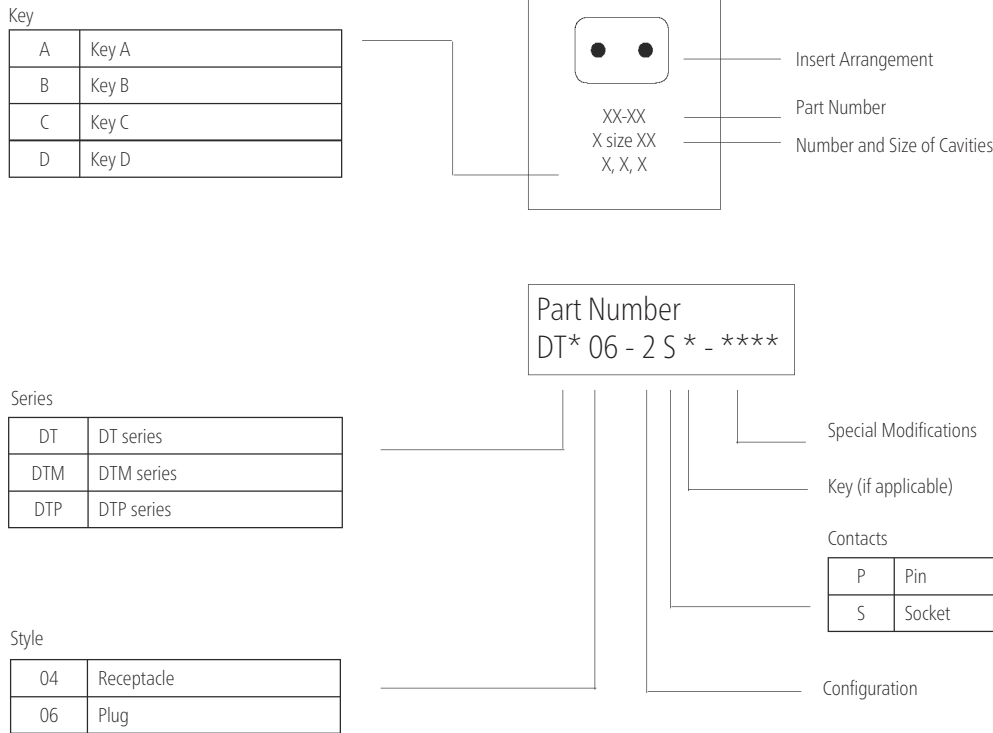


For the full technical specification visit:

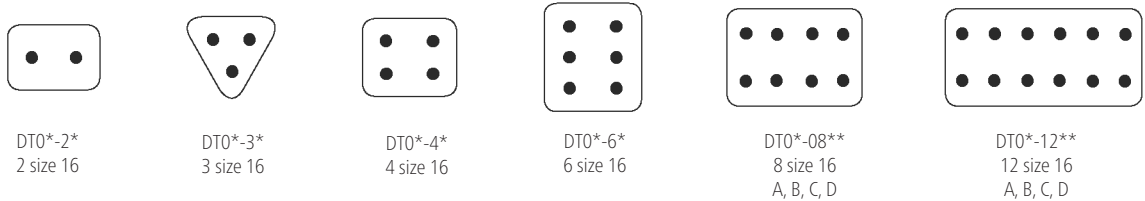
http://www.dalroad.com/wp-content/uploads/2017/05/Terminals-and-Connectors_TS-ICT-TCCAT.pdf

DT Part Numbers

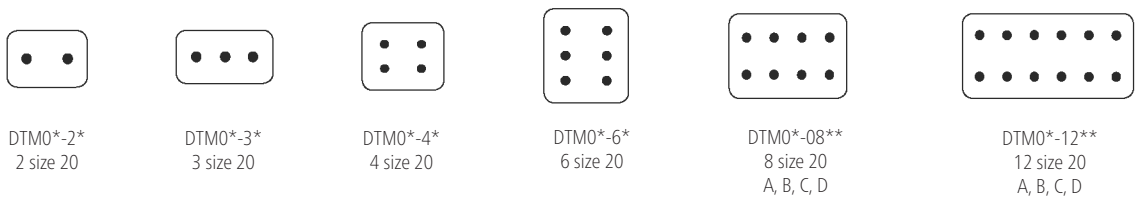
Key Options



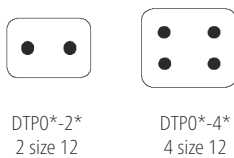
DT Series Configurations



DTM Series Configurations

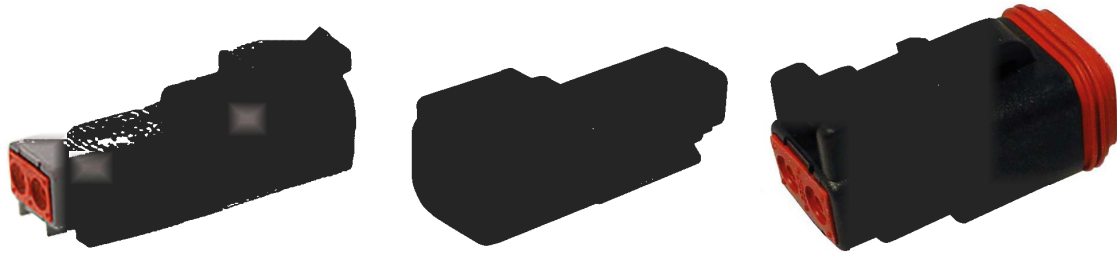


DTP Series Configurations



DT Standard Series

Plugs and Receptacles



DEUTSCH DT Series Connectors offer field proven reliability and rugged quality. The DT design strengths include optional flange mounting, multi-pin arrangements and design flexibility. The DT Series offers the designer the ability to use multiple size 16 contacts, each with 13 amp continuous capacity, within a single shell.

There are two versions identified by different colours:-

Grey - Plug with orange wedgelock, Receptacle with green wedgelock.

Black (preferred) - With enhanced seal retention and green secondary locks.

Note: Component parts are not inter-mountable but in the fully assembled condition, both grey and black parts are intermateable and interchangeable thus maintaining the higher levels of sealability expected within the Construction, Off-road, Heavy Goods Vehicle and Agricultural market.

Wire Sealing Range

Standard - 2.24mm - 3.68mm wire insulation diameter. Thin wall - 1.35mm - 3.05mm wire insulation diameter
(Identified by an 'E' on the Seal / End Cap).

No. of Positions	Keying	Grey Plug	Grey Plug Reduced Diameter Seals	Grey Receptacle	Grey Receptacle Reduced Diameter Seals
2	-	DT06-2S-P004	DT06-2S-C015	DT04-2P-P004	DT04-2P-C015
3	-	DT06-3S-P004	DT06-3S-C015	DT04-3P-P004	DT04-3P-C015
4	-	DT06-4S-P004	DT06-4S-C015	DT04-4P-P004	DT04-4P-C015
6	-	DT06-6S-P004	DT06-6S-C015	DT04-6P-P004	DT04-6P-C015
8	Key A	DT06-08SA-P004	DT06-08SA-C015	DT04-08PA-P004	DT04-08PA-C015
	Key B	DT06-08SB-P004	DT06-08SB-C015	DT04-08PB-P004	DT04-08PB-C015
	Key C	DT06-08SC-P004	DT06-08SC-C015	DT04-08PC-P004	DT04-08PC-C015
	Key D	DT06-08SD-P004	DT06-08SD-C015	DT04-08PD-P004	DT04-08PD-C015
12	Key A	DT06-12SA-P004	DT06-12SA-C015	DT04-12PA-P004	DT04-12PA-C015
	Key B	DT06-12SB-P004	DT06-12SB-C015	DT04-12PB-P004	DT04-12PB-C015
	Key C	DT06-12SC-P004	DT06-12SC-C015	DT04-12PC-P004	DT04-12PC-C015
	Key D	DT06-12SD-P004	DT06-12SD-C015	DT04-12PD-P004	DT04-12PD-C015

No. of Positions	Keying	Black Plug	Black Plug Reduced Diameter Seals	Black Receptacle	Black Receptacle Reduced Diameter Seals
2	-	DT06-2S-P012	DT06-2S-CE06	DT04-2P-E004	DT04-2P-CE02
3	-	DT06-3S-P012	DT06-3S-CE06	DT04-3P-E004	DT04-3P-CE02
4	-	DT06-4S-P012	DT06-4S-CE06	DT04-4P-E004	DT04-4P-CE02
6	-	DT06-6S-P012	DT06-6S-CE06	DT04-6P-E004	DT04-6P-CE02
8	Key A	DT06-08SA-P012	DT06-08SA-CE06	DT04-08PA-E004	DT04-08PA-CE02
	Key B	DT06-08SB-P012	DT06-08SB-CE06	DT04-08PB-E004	DT04-08PB-CE02
	Key C	DT06-08SC-P012	DT06-08SC-CE06	DT04-08PC-E004	DT04-08PC-CE02
	Key D	DT06-08SD-P012	DT06-08SD-CE06	DT04-08PD-E004	DT04-08PD-CE02
12	Key A	DT06-12SA-P012	DT06-12SA-CE06	DT04-12PA-E004	DT04-12PA-CE02
	Key B	DT06-12SB-P012	DT06-12SB-CE06	DT04-12PB-E004	DT04-12PB-CE02
	Key C	DT06-12SC-P012	DT06-12SC-CE06	DT04-12PC-E004	DT04-12PC-CE02
	Key D	DT06-12SD-P012	DT06-12SD-CE06	DT04-12PD-E004	DT04-12PD-CE02

DT Flanges Series

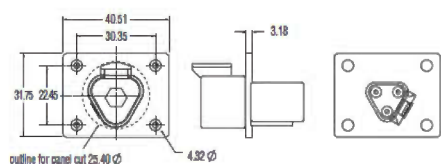
Receptacles



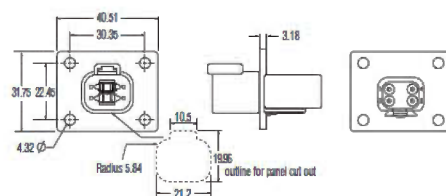
No. of Positions	Grey Receptacle Welded flange	Grey Receptacle Reduced Diameter Seals	Black Receptacle Welded flange	Black Receptacle Reduced Diameter Seals
3	DT04-3P-L012	DT04-3P-CL03	DT04-3P-LE14	DT04-3P-CL06
4	DT04-4P-L012	DT04-4P-CL03	DT04-4P-LE14	DT04-4P-CL06
6*	DTP04-6P-L012	DT04-6P CL03	DT04-6P-LE14	DT04-6P-CL06
8	DT04-08P-L012	DT04-8P-CL03	DT04-8P-LE14	DT04-8P-CL06
12	DT04-12P-L012	DT04-12P-CL03	DT04-12P-LE14	DT04-12P-CL06

The DT Flanged Receptacle Series of sealed connectors is available in grey and black with standard or thin wall wire seals. Designed to simplify wire routing and assembly, DT Series receptacles are available in many mounting configurations and styles. Each receptacle requires a secondary contact lock - e.g. W3P through to W12P coloured green.

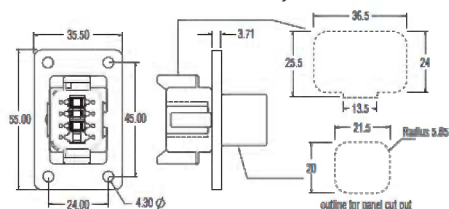
3 Way



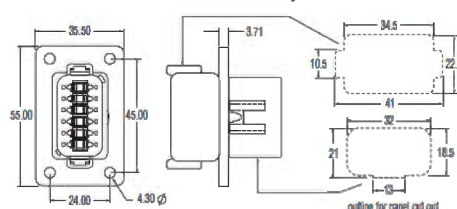
4 Way



8 Way



12 Way



Wire Sealing Range

Standard - 2.24mm - 3.68mm wire insulation diameter

Thin wall - 1.35mm - 3.05mm wire insulation diameter

*Note: Contact Sales Office for 6 Way Drawing

DT Boot Adaptor Series

Plugs and Receptacles

To meet the application requirements where wires are to be protected, the DT Series may be supplied with boot adaptors. These will accept shaped boots / sleeves or shrink tubing. Parts for standard or thin wall wire are available.

Wire Sealing Range Standard - 2.24mm - 3.68mm wire insulation diameter
Thin wall - 1.35mm - 3.05mm wire insulation diameter



No. of Positions	Grey Plug Shrink Boot Adapter	Black Plug Shrink Boot Adapter	Grey Plug Reduced Diameter Seals	Black Plug Reduced Diameter Seals	Grey Receptacle Shrink Boot Adapter	Black Receptacle Shrink Boot Adapter	Grey Receptacle Reduced Diameter Seals	Black Receptacle Reduced Diameter Seals
2	DT06-2S-E008	DT06-2S-EP11	DT06-2S-CE04	DT06-2S-CE13	DT04-2P-E008	DT04-2P-EE01	DT04-2P-CE04	DT04-2P-CE09
3	DT06-3S-E008	DT06-3S-EP11	DT06-3S-CE04	DT06-3S-CE13	DT04-3P-E008	DT04-3P-EE01	DT04-3P-CE04	DT04-3P-CE09
4	DT06-4S-E008	DT06-4S-EP11	DT06-4S-CE04	DT06-4S-CE13	DT04-4P-E008	DT04-4P-EE01	DT04-4P-CE04	DT04-4P-CE09
8	DT06-8S-E008	DT06-8S-EP11	DT06-8S-CE04	DT06-8S-CE13	DT04-8P-E008	DT04-8P-EE01	DT04-8P-CE04	DT04-8P-CE09
12	DT06-12S-E008	DT06-12S-EP11	DT06-12S-CE04	DT06-12S-CE13	DT04-12P-E008	DT04-12P-EE01	DT04-12P-CE04	DT04-12P-CE09

DTM Series

Plugs and Receptacles

DEUTSCH DTM Series Connectors offer solutions to 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 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.

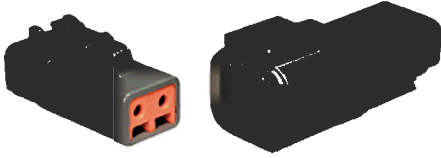
Wire Sealing Range Standard - 1.35mm – 3.05mm wire insulation diameter

No. of Positions	Keying	Plug	Receptacle
2	-	DTM06-2S	DTM04-2P
3	-	DTM06-3S	DTM04-3P
4	-	DTM06-4S	DTM04-4P
6	-	DTM06-6S	DTM04-6P
8	Key A	DTM06-08SA	DTM04-08PA
	Key B	DTM06-08SB	DTM04-08PB
	Key C	DTM06-08SC	DTM04-08PC
	Key D	DTM06-08SD	DTM04-08PD
12	Key A	DTM06-12SA	DTM04-12PA
	Key B	DTM06-12SB	DTM04-12PB
	Key C	DTM06-12SC	DTM04-12PC
	Key D	DTM06-12SD	DTM04-12PD



DTP Series

Plugs and Receptacles



DEUTSCH DTP Series Connectors provide solutions 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 connectors.

The DTP Series offers the designer the ability to use multiple size 12 contacts, each with 25 amp continuous capacity, within a single shell. The DTP connectors are currently available in two and four pin configurations.

No. of Positions	Plug	Plug Reduced Diameter Seals	Receptacle	Receptacle Reduced Diameter Seals
2	DTP06-2S	DTP06-2S-C015	DTP04-2P	DTP04-2P-C015
4	DTP06-4S	DTP06-4S-C015	DTP04-4P	DTP04-4P-C015

Contacts for DT, HD and HDP Series

Size	Pin	Socket	Wire Size AWG (mm ²)	Recommended Strip Inches (mm)	Min. Contact Retention	Ref Crimp Tensile Lbs. (N)	Max Rated Amps at 125°C Continuous
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 (10.0-5.0)	.430-.492 (10.92-12.50)	35 (156)	125-90 (556-400)	60
4	0460-204-04**	0462-203-04**	6 (16.0-13.0)	.430-.492 (10.92-12.50)	35 (156)	300 (1334)	100
4 (C038)	5960-203-04141	59602-203-04141	4 (25.0-21.0)	.430-.492 (10.92-12.50)	35 (156)	300 (1334)	100

** = Plating codes

Part Number Suffix	Plating Material
31	Gold
90	Nickel (size 4 pin only)
141	Nickel



Stamped and Formed Contacts are also available

Wedgelocks

DT Series Wedgelocks

Plug Wedgelocks

	W2S*	Wedgelock for 2 Way plug *A, B, C, D keying available
	W2S-P012*	
	W3S*	Wedgelock for 3 Way plug *J1939 keying available
	W3S-P012*	
	W4S*	Wedgelock for 4 Way plug *A, B, C, D keying available
	W4S-P012*	
	W6S	Wedgelock for 6 Way plug
	W6S-P012	
	W8S	Wedgelock for 8 Way plug
	W8S-P012	
	W12S	Wedgelock for 12 Way plug
	W12S-P012	

Receptacle Wedgelocks

	W2P*	Wedgelock for 2 Way receptacle *A, B, C, D keying available
	W3P*	Wedgelock for 3 Way receptacle *J1939 keying available
	W4P*	Wedgelock for 4 Way receptacle *A, B, C, D keying available
	W6P	Wedgelock for 6 Way receptacle
	W8P	Wedgelock for 8 Way receptacle
	W12P	Wedgelock for 12 Way receptacle

DTM Series Wedgelocks

Plug Wedgelocks

	WM-2S*	Wedgelock for 2 Way plug *A, B, C 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 8 Way plug

Receptacle Wedgelocks

	WM-2P*	Wedgelock for 2 Way receptacle *A, B, C 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

DTP Series Wedgelocks

Plug Wedgelocks

	WP-2S	Wedgelock for 2 Way plug
	WP-4S	Wedgelock for 3 Way plug

Receptacle Wedgelocks

	WP-2P	Wedgelock for 2 Way receptacle
	WP-4P	Wedgelock for 3 Way receptacle

DT and DTM Series Backshells



The DEUTSCH DT and DTM Series Backshells are designed to snap onto and mate with all standard (basic plug and receptacles without modifications that affect the rear of the connector) DT and DTM Series connectors. 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 and DTM connectors, tests should be conducted for fit and function of a backshell being used on any part with a modification.

DT Series Receptacle Backshells

Connector	Style	Strain Relief	Tubing size (mm)	Part Number
DT04-2P	180°		6, 7.5, 8.5, and 10	1011-229-0205
	180°	X	6, 7.5, 8.5, and 10	1011-257-0205
	90°		6, 7.5, 8.5, and 10	1011-230-0205
	90°	X	6, 7.5, 8.5, and 10	1011-258-0205
DT04-3P	180°		6, 7.5, 8.5, and 10	1011-233-0305
	180°	X	6, 7.5, 8.5, and 10	1011-261-0305
	90°		6, 7.5, 8.5, and 10	1011-234-0305
	90°	X	6, 7.5, 8.5, and 10	1011-262-0305
DT04-4P	180°		6, 7.5, 8.5, and 10	1011-237-0405
	180°	X	6, 7.5, 8.5, and 10	1011-265-0405
	90°		6, 7.5, 8.5, and 10	1011-238-0405
	90°	X	6, 7.5, 8.5, and 10	1011-266-0405
DT04-6P	180°		8.5, 10, and 13	1011-241-0605
	180°	X	8.5, 10, and 13	1011-269-0605
	90°		8.5, 10, and 13	1011-242-0605
	90°	X	8.5, 10, and 13	1011-270-0605
DT04-08P*	180°		8.5, 10, and 13	1011-245-0805
	90°		8.5, 10, and 13	1011-246-0805
DT04-12P*	180°		10, 13, and 17	1011-249-1205
	90°		10, 13, and 17	1011-250-1205

DT Series Plug Backshells

Connector	Style	Strain Relief	Tubing size (mm)	Part Number
DT06-2S	180°		6, 7.5, 8.5, and 10	1011-227-0205
	180°	X	6, 7.5, 8.5, and 10	1011-255-0205
	90°		6, 7.5, 8.5, and 10	1011-228-0205
	90°	X	6, 7.5, 8.5, and 10	1011-256-0205
DT06-3S	180°		6, 7.5, 8.5, and 10	1011-231-0305
	180°	X	6, 7.5, 8.5, and 10	1011-259-0305
	90°		6, 7.5, 8.5, and 10	1011-232-0305
	90°	X	6, 7.5, 8.5, and 10	1011-260-0305
DT06-4S	180°		6, 7.5, 8.5, and 10	1011-235-0405
	180°	X	6, 7.5, 8.5, and 10	1011-263-0405
	90°		6, 7.5, 8.5, and 10	1011-236-0405
	90°	X	6, 7.5, 8.5, and 10	1011-264-0405
DT06-6S	180°		8.5, 10, and 13	1011-239-0605
	180°	X	8.5, 10, and 13	1011-267-0605
	90°		8.5, 10, and 13	1011-240-0605
	90°	X	8.5, 10, and 13	1011-268-0605
DT06-08S*	180°		8.5, 10, and 13	1011-243-0805
	90°		8.5, 10, and 13	1011-244-0805
DT06-12S*	180°		10, 13, and 17	1011-247-1205
	90°		10, 13, and 17	1011-248-1205
DT06-12S*-****	180°		13 and 17	1028-043-1205

DTM Series Backshells

Connector	Style	Tubing size (mm)	Part Number
DTM*04-2P	180°	7.5 and 8.5	1028-021-0205
DTM06-2S	180°	7.5 and 8.5	1011-273-0205
DTM*06-2S	180°	8.5	1028-041-0205
DTM*04-3P	180°	8.5	1028-024-0305
DTM*06-3S	180°	8.5	1028-005-0305
DTM*04-4P	180°	8.5	1028-027-0405
DTM*06-4S	180°	8.5	1028-008-0405

Connector	Style	Tubing size (mm)	Part Number
DTM06-6S	180°	10 and 13	1028-011-0605
DTM06-08S*	180°	10 and 13	1028-013-0805
DTM04-12P*	180°	13 and 17	1028-034-1205
DTM06-12S*	180°	13 and 17	1028-015-1205
Adapter for 2, 3, and 4 pin	90°	7.5 and 8.5	1028-016-0005
Adapter for 6 and 8 pin	90°	10 and 13	1028-017-0005

* A, B, C, D and E keying options

Note: 1028-043-1205 backshell is designed to fit on 12 Way plugs with modifications

DTHD Series

Plugs and Receptacles

DTHD connectors are single terminal connectors for heavy duty applications. Easy to install, environmentally sealed and compact in size, they are a simple, field serviceable alternative to a splice.

DTHD connectors are available in three sizes, carry 25 to 100 amps and can be mounted or used in-line.

No. of Positions	Contact Size	Plug	Receptacle
1	12	DTHD06-1-12S	DTHD04-1-12P
1	8	DTHD06-1-8S	DTHD04-1-8P
1	4	DTHD06-1-4S	DTHD04-1-4P



HD10 Series

Plugs and Receptacles

The HD10 Series is an environmentally sealed, thermoplastic and cylindrical connector series. With arrangements from 3 to 9 cavities, HD10 connectors accept size 4, 12, or 16 contacts and are available either in-line or flanged. HD10 connectors are heavily used for diagnostic applications and are available with or without a coupling ring.



No. of Positions	Contact Size	Rear Threads	Plug	Receptacle In-line	Receptacle Flange
3	16	No	HD16-3-16S	HD14-3-16P	-
		Yes	HD16-3-96S	HD14-3-96P	HD10-3-96P
4	4/16	Yes	HD16-4-4S	-	HD10-4-4P
5	16	No	HD16-5-16S	HD14-5-16P	HD10-5-16P
6	16	Yes	HD16-6-96S	HD14-6-96P	HD10-6-96P
6	12	Yes	HD16-6-12S-B010	HD14-6-12P	HD10-6-12P
9	16	No	HD16-9-16S	HD14-9-16P	HD10-9-16P
		Yes	HD16-9-96S	HD14-9-96P	HD10-9-96P
9 (1939)	16	Yes	HD16-9-1939S	HD14-9-1939P	HD10-9-1939P

HD30 and HDP20 Series

Plugs and Receptacles

Designed specifically for the truck, bus and off-highway industry, the HD30 and HDP20 Series are heavy duty, environmentally sealed, multi-pin circular connectors. Available in metal or thermoplastic housings, these connectors offer multiple pin configurations that accept contact sizes 4 through to 20.

The HD30 is a metal shell while the HDP20 Series shells are thermoplastic. Both feature quick connect-disconnect bayonet coupling, single hole bulkhead mounting, silicone seals and a rear insertion/rear removal contact system.

HD30 Metal Shell



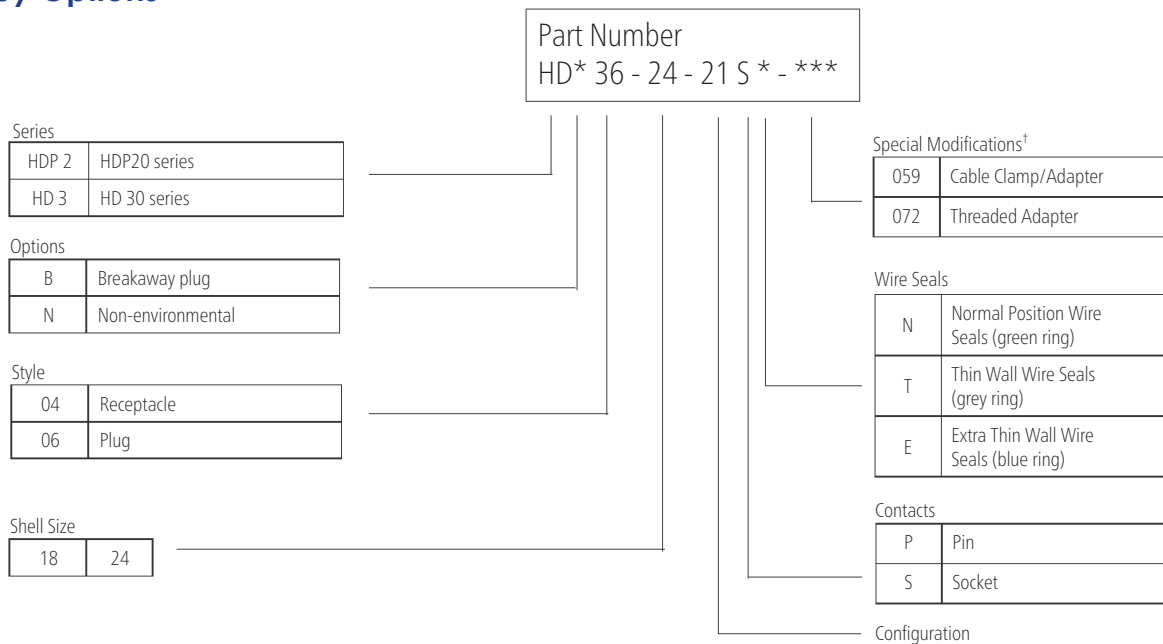
HDP20 Thermoplastic Shell



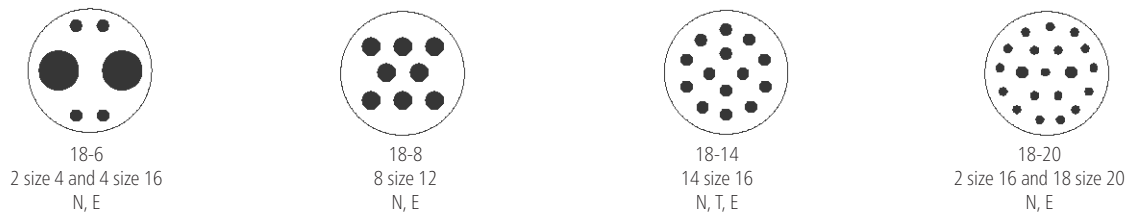
Shell Size Position	Series	Plug Standard Diameter Seal	Receptacle Standard Diameter Seal	Plug Reduced Diameter Seal	Receptacle Reduced Diameter Seal
18-6	HDP20	HDP26-18-6SN	HDP24-18-6PN	HDP26-18-6SE	HDP24-18-6PE
	HD30	HD36-18-6SN	HD34-18-6PN	HD36-18-6SE	HD34-18-6PE
18-8	HDP20	HDP26-18-8SN	HDP24-18-8PN	HDP26-18-8SE	HDP24-18-8PE
	HD30	HD36-18-8SN	HD34-18-8PN	HD36-18-8SE	HD34-18-8PE
18-14	HDP20	HDP26-18-14SN	HDP24-18-14PN	HDP26-18-14SE	HDP24-18-14PE
	HD30	HD36-18-14SN	HD34-18-14PN	HD36-18-14SE	HD34-18-14PE
18-20	HDP20	HDP26-18-20SN	HDP24-18-20PN	HDP26-18-20SE	HDP24-18-20PE
	HD30	HD36-18-20SN	HD34-18-20PN	HD36-18-20SE	HD34-18-20PE
18-21	HDP20	HDP26-18-21SN	HDP24-18-21PN	HDP26-18-21SE	HDP24-18-21PE
	HD30	HD36-18-21SN	HD34-18-21PN	HD36-18-21SE	HD34-18-21PE
24-7	HDP20	HDP26-24-7SN	HDP24-24-7PN	HDP26-24-7SE	HDP24-24-7PE
	HD30	HD36-24-7SN	HD34-24-7PN	HD36-24-7SE	HD34-24-7PE
24-91 - P064	HDP20	HDP26-24-91SN-P064	HDP24-24-91PN-P064	-	-
24-9	HDP20	HDP26-24-9SN	HDP24-24-9PN	HDP26-24-9SE	HDP24-24-9PE
	HD30	HD36-24-9SN	HD34-24-9PN	HD36-24-9SE	HD34-24-9PE
24-14	HDP20	HDP26-24-14SN	HDP24-24-14PN	HDP26-24-14SE	HDP24-24-14PE
	HD30	HD36-24-14SN	HD34-24-14PN	HD36-24-14SE	HD34-24-14PE
24-16	HDP20	HDP26-24-16SN	HDP24-24-16PN	HDP26-24-16SE	HDP24-24-16PE
	HD30	HD36-24-16SN	HD34-24-16PN	HD36-24-16SE	HD34-24-16PE
24-18	HDP20	HDP26-24-18SN	HDP24-24-18PN	HDP26-24-18SE	HDP24-24-18PE
	HD30	HD36-24-18SN	HD34-24-18PN	HD36-24-18SE	HD34-24-18PE
24-19	HDP20	HDP26-24-19SN	HDP24-24-19PN	HDP26-24-19SE	HDP24-24-19PE
	HD30	HD36-24-19SN	HD34-24-19PN	HD36-24-19SE	HD34-24-19PE
24-21	HDP20	HDP26-24-21SN	HDP24-24-21PN	HDP26-24-21SE	HDP24-24-21PE
	HD30	HD36-24-21SN	HD34-24-21PN	HD36-24-21SE	HD34-24-21PE
24-23	HDP20	HDP26-24-23SN	HDP24-24-23PN	HDP26-24-23SE	HDP24-24-23PE
	HD30	HD36-24-23SN	HD34-24-23PN	HD36-24-23SE	HD34-24-23PE
24-29	HDP20	HDP26-24-29SN	HDP24-24-29PN	HDP26-24-29SE	HDP24-24-29PE
	HD30	HD36-24-29SN	HD34-24-29PN	HD36-24-29SE	HD34-24-29PE
24-31	HDP20	HDP26-24-31SN	HDP24-24-31PN	HDP26-24-31SE	HDP24-24-31PE
	HD30	HD36-24-31SN	HD34-24-31PN	HD36-24-31SE	HD34-24-31PE
24-33	HDP20	HDP26-24-33SN	HDP24-24-33PN	HDP26-24-33SE	HDP24-24-33PE
	HD30	HD36-24-33SN	HD34-24-33PN	HD36-24-33SE	HD34-24-33PE
24-35	HDP20	HDP26-24-35SN	HDP24-24-35PN	HDP26-24-35SE	HDP24-24-35PE
	HD30	HD36-24-35SN	HD34-24-35PN	HD36-24-35SE	HD34-24-35PE
24-47	HDP20	HDP26-24-47SN	HDP24-24-47PN	HDP26-24-47SE	HDP24-24-47PE
	HD30	HD36-24-47SN	HD34-24-47PN	HD36-24-47SE	HD34-24-47PE

HD30 and HDP20 Part Numbers

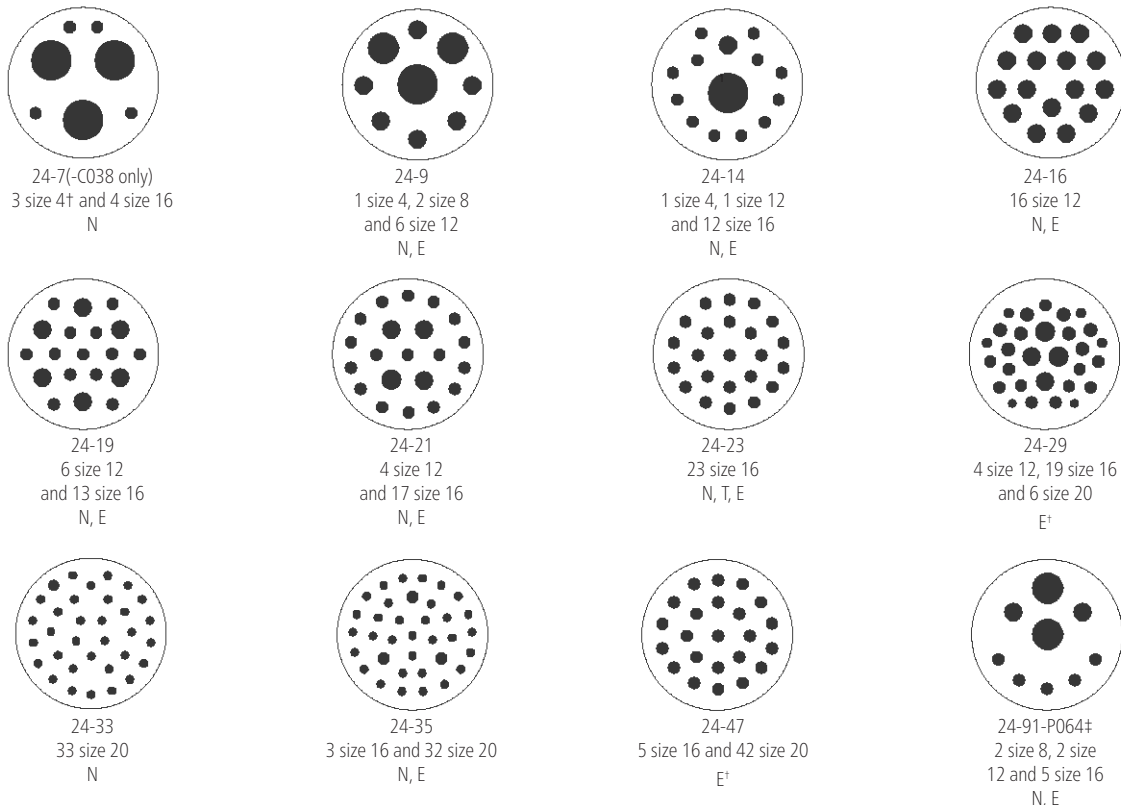
Key Options



18 Shell Size Configurations



24 Shell Size Configurations



†Special modifications are available upon request

†Requires size 4 contact part numbers, 5960-203-04**(pin) and 5962-203-04**(socket)

‡Without P064 modification, plug cavities 4 and 5 are internally connected

DEUTSCH Tooling

HDT-48-00

For field service, prototype, and low-volume production, HDT-48-00, is a universal hand crimp tool for Deutsch solid contacts sizes 12, 16 and 20. It provides a symmetrical four indent crimp, is compact and easy-to-use for field service, yet sturdy and reliable enough for low volume production.



Part Number	HDT-48-00
Series	HD30 Series HDP20 Series DRC Series HD10 Series DT Series DTM Series DTP Series DTHD Series DRB Series DTV Series AEC Series STRIKE Series Jiffy Splice
Solid/Stamped and Formed	Solid
Contact Size	12, 16, 20
Solid Contacts	Yes

Extraction Tools



Part Number	0411-027-0405	0411-353-0805	0411-337-1205	0411-291-1405	0411-310-1605	0411-336-1605	0411-240-2005
Series	HD30 Series HDP20 Series	HD30 Series HDP20 Series DTHD Series	HD30 Series HDP20 Series HD10 Series	HD30 Series HDP20 Series HD10 Series DRC Series AEC Series Jiffy Splice	HD30 Series HDP20 Series HD10 Series DRC Series AEC Series Jiffy Splice	HD30 Series HDP20 Series HD10 Series DRC Series AEC Series	HD30 Series HDP20 Series DRC Series
Wire Size	4	8, 10	12, 14	14, 16	16, 18	16, 18	20, 22
Keyed	No	No	No	No	No	No	No
Colour	Black	Green	Orange	Green	Light Blue	Dark Blue	Red
Material	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Contact Size	4	8	12	16	16	16	20
Seal Size	Standard	Standard	E-seal	Standard	Standard	E-seal	Standard

LEAVYSEAL Series

Tabs and Receptacles

The rugged LEAVYSEAL Connectors are multi-pin and accept multiple wire sizes. LEAVYSEAL products utilize a lever lock system for mating and are available in several mounting styles and keying options. The housings come in six sizes and feature an integrated cable attachment.



No. of Positions	Keying	Housing Colour	Part Numbers		
			Receptacle Housing	In-line/Flange Tab Housing	PCB Tab Housing
15	A	Black	1-1534126-1	1703799-1	-
	B	Natural	2-1534126-1	-	-
	C	Blue	3-1534126-1	-	-
18	A	Black	1823440-2*	1-1823448-2*	-
21	A	Black	1-1534127-1	1-2112162-1 (flange)	1534238-1 (straight)
			1-2208688-1*		
	B	Natural	2-1534127-1	2-2112162-1	-
	C	Blue	3-1534127-1	3-2112162-1	-
	D	Violet	4-1534127-1	4-2112162-1	-
22	A	Black	1-1823440-3*	1-1823449-1*	-
	B	Grey	2-1823440-3*	2-1823449-1*	-
	C	Blue	3-1823440-3*	-	-
	D	Green	4-1823440-3*	-	-
26	A	Black	1-2112035-1*	1-2112041-1*	-
				1-2112041-2*	
29	A	Black	1-1823402-1*	-	-
	B	Grey	2-1823402-1*	-	-
	C	Blue	3-1823402-1*	-	-
31	A	Bordeaux	1-1564297-6	-	-
			1-2208685-6*		
39	E	Emerald Green	5-1718321-3	5-1718323-1	5-1418363-1 (straight)
			5-2208684-3*		5-1418363-3 (90°)
	F	Fawn Brown	6-1718321-3	6-1718323-1	-
			6-2208684-3*		
46	A	Black	1-2112231-1	-	-
62	A	Black	1-1418883-1	1-1718324-1	1-1418362-1(straight)
			1-1823498-1*		1-1418362-3 (90°)
			1-1823498-1*	-	-
	B	Grey	2-1418883-1	2-1718324-1	2-1418362-1 (straight)
			2-1823498-1*		2-1418362-3 (90°)
	C	Blue	3-1418883-1	3-1718324-1	-
			3-1823498-1*		-
	D	Green	4-1418883-1	-	-
			4-1823498-1*		-
92	A	Black	1-703998-1 (NW 26 wire exit)	-	1-1452228-9 (straight)
			3-1703998-1 (NW 29 wire exit)		
	B	Black	4-1703998-1 (NW 29 wire exit)	-	-
	C	Black	5-1703998-1 (NW 29 wire exit)	-	-

*V0 rated material

LEAVYSEAL Series

Stamped and Formed Tabs

Size	Strip Form	Loose Piece	Wire Size (mm ²)	Insulation Diameter (mm) FLR	Finish
1.5K	969028	969029	0.2-0.5	1.2-1.6	-2/-3
	964269	964270	0.5-1.0	1.4-2.1	-2/-3/-5
	1703278	1703279	1.5	1.9-2.4	-2/-5
2.8	965982	965983	0.2-0.5	max 2.1	1-xxx-1 1-xxx-3
	962915	963748	0.5-1.0	max 2.1	1-xxx-1 1-xxx-2 1-xxx-3 2-xxx-1 2-xxx-2 2-xxx-3
	962916	963749	1.5-2.5	max 3.0	1-xxx-1 1-xxx-2 1-xxx-3 2-xxx-1 2-xxx-2 2-xxx-3
	1719504	1719503	12 TXL	max 3.2	1-xxx-1 1-xxx-2
6.3/ 4.8K	962917	963742	0.5-1.0	1.4-2.1	1-xxx-1 1-xxx-2 2-xxx-1 2-xxx-2
	962918	963743	1.5-2.5	2.2-3.0	1-xxx-1 1-xxx-2 2-xxx-1 2-xxx-2
	962919	963744	>2.5-4.0	2.7-3.7	1-xxx-1 1-xxx-2 2-xxx-1 2-xxx-2

Stamped and Formed Receptacles

Size	Strip Form	Loose Piece	Wire Size (mm ²)	Insulation Diameter (mm) FLK	Insulation Diameter (mm) FLR	Finish
1.5K	1564324	1564325	0.2-0.5	-	1.1-1.4	-1/-2/-3
	1241380	1241381	0.5-1.0	-	1.4-2.1	-1/-2/-3 1-xxx-2*
	1418884	1418885	>1.0-1.5	-	2.2-2.4	-1/-3
2.8	968882	968896	0.35	-	1.2-1.4	1-xxx-1 1-xxx-3
	968855	968875	0.5-1.0	-	1.4-2.1	1-xxx-1 1-xxx-2 1-xxx-3
	968857	968876	>1.0-2.5	-	2.2-3.0	1-xxx-1 1-xxx-3
6.3/ 4.8K	1241410	1241411	0.35-0.5	1.3-2.3	1.2-1.6	-1/-3
	1241412	1241413	0.5-1.0	2.0-2.7	1.4-2.1	-1/-3
	1241414	1241415	0.35-0.5	2.7-3.7	2.2-3.0	-1/-3
	1241416	1241417	>2.5-4.0	4.1-4.5	3.4-3.7	-1/-3
	1241418	1241419	4.0-6.0	-	3.4-4.3	-4 1-xxx-3 2-xxx-3

AMPSEAL 16 Series

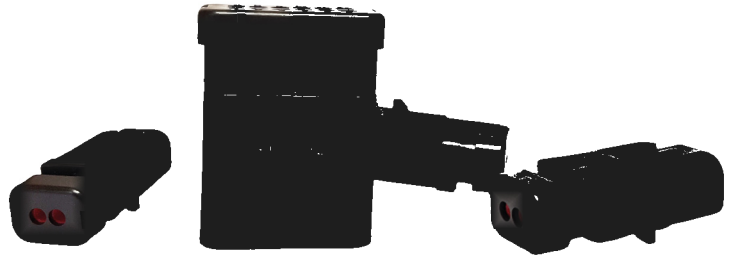
Sealed Receptacle Housings

The AMPSEAL 16 Connector System is targeted for off-road, heavy duty industrial, recreational and agricultural applications. This wire-to-wire and wire-to-device connector line was designed to meet the rigorous demands of an industry that requires the highest standards in performance. The AMPSEAL 16 receptacle and pin housings come fully assembled, offering a one-piece approach for applied cost savings. Both housings feature integral wire seals, wire seal covers and primary latch reinforcement (PLR).

Sealed Receptacle Housings



Sealed Cap Housings

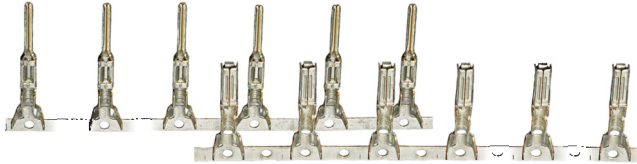


No. of positions	Keying	Colour	Receptacle Housing Standard Diameter Seal	Cap Standard Diameter Seal	Receptacle Housing Reduced Diameter Seal	Cap Reduced Diameter Seal
2	A	Red	776427-1	776428-1	776522-1	776534-1
	B	Grey	776427-2	776428-2	776522-2	776534-2
	C	Yellow	776427-3	776428-3	776522-3	776534-3
	D	Green	776427-4	776428-4	776522-4	776534-4
3	A	Red	776429-1	776430-1	776523-1	776535-1
	B	Grey	776429-2	776430-2	776523-2	776535-2
	C	Yellow	776429-3	776430-3	776523-3	776535-3
	D	Green	776429-4	776430-4	776523-4	776535-4
4	A	Red	776487-1	776488-1	776524-1	776536-1
	B	Grey	776487-2	776488-2	776524-2	776536-2
	C	Yellow	776487-3	776488-3	776524-3	776536-3
	D	Green	776487-4	776488-4	776524-4	776536-4
6	A	Red	776433-1	776434-1	776531-1	776537-1
	B	Grey	776433-2	776434-2	776531-2	776537-2
	C	Yellow	776433-3	776434-3	776531-3	776537-3
8	A	Red	776494-1	776495-1	776532-1	776538-1
	B	Grey	776494-2	776495-2	776532-2	776538-2
	C	Yellow	776494-3	776495-3	776532-3	776538-3
	D	Green	776494-4	776495-4	776532-4	776538-4
12	A	Red	776437-1	776438-1	776533-1	776539-1
	B	Grey	776437-2	776438-2	776533-2	776539-2
	C	Yellow	776437-3	776438-3	776533-3	776539-3
	D	Green	776437-4	776438-4	776533-4	776539-4

AMPSEAL 16 Series

Pin and Receptacle Contacts

AMPSEAL 16 and AMPSEAL 16 hybrid lever connectors commonly use the HDSF size 16 contact system. The contacts are round, stamped and formed contacts with dual beam sockets.



Size	Pin		Receptacle		Wire Size AWG (mm²)	Insulation Diameter (mm)	Wire Insulation Support	Finish
	Strip Form	Loose Piece	Strip Form	Loose Piece				
HDSF 16	1924463-1	1924579-1	1924464-1	1924580-1	18-20 (0.8-0.5)	.107-.05 (2.72-1.27)	Yes	Gold
	1924463-3	1924579-3	1924464-2	1924580-2				Nickel
	776349-1	-	776493-1	-	18-20 (0.8-0.5)	.131-.089 (3.33-2.26)	Yes	Gold
	776349-3	-	776493-2	-				Nickel
	638078-1	776300-1	776492-1	776299-1	14-18 (2.0-0.8)	.131-.089 (3.33-2.26)	Yes	Gold
	638078-3	776300-2	776492-2	776299-2				Nickel
	638112-1	776298-1	776491-1	776297-1	14-18 (2.0-0.8)	.155-.077 (3.94-1.96)	No	Gold
	638112-3	776298-2	776491-2	776297-2				Nickel
	2098250-1	-	2098251-1	-	18 (1.5-0.8)	.118-.065 (3.00-1.65)	Yes	Gold
	2098250-3	-	2098251-2	-				Nickel
	2098252-1	-	2098253-1	-	14 (2.0-1.5)	.128-.083 (3.25-2.10)	Yes	Gold
	2098252-3	-	2098253-2	-				Nickel

Sealing Plugs

Open cavities provide pathways for contaminants to enter the connectors. To maintain seal integrity, any unused cavity must be filled with the appropriate size sealing plug.



Colour	Part Number	Contact Size	Wire Gauge Range	Description
Yellow	776363-1	Size 16	16-20 AWG	PBT, used with AMPSEAL 16 (standard diameter cavities)
White	776364-1	Size 20	16-20 AWG	PBT, used with AMPSEAL 16 (reduced diameter cavities)

SUPERSEAL 1.5 Series

TE Connectivity has developed the AMP SUPERSEAL 1.5 Series Connector family to meet the increasing requirements for reliability and waterproof-ability. AMP SUPERSEAL 1.5 Series Connector exceed the requirements prescribed by IP67 according IEC 60529 and DIN 40050-9 standards and is designed for automotive, agriculture and industrial machinery applications.

Plug Housings



No. of Positions	Dimension (mm)	Part Number
1	9.3	282079-2
2	15.3	282080-1
3	21.3	282087-1
4	27.3	282088-1
5	33.3	282089-1
6	39.3	282090-1

Cap Housings



No. of Positions	Dimension (mm)	Part Number
1	13.8	282103-1
2	19.8	282104-1
3	25.8	282105-1
4	31.8	282106-1
5	37.8	282107-1
6	43.8	282108-1

Rubber Boots



No. of Positions	Connector Housing Part Number	Description	Colour	Rubber Boot Part Number
2	282080-1	Plug Housing	Black	880810-1
	282104-1	Cap Housing		
3	282087-1	Plug Housing		880811-2
	282105-1	Cap Housing		

Single Wire Seals and Cavity Plug



Insulation Diameter (mm)	Colour	Part Number
1.2 – 1.6	Green	281934-4
1.7 – 2.4	Yellow	281934-2
2.5 – 3.3	Red	281934-3
Cavity Plug	Red	282081-1

Contacts

Pin		Receptacle		Wire Size AWG (mm²)	Insulation Diameter (mm)
Strip Form	Loose Piece	Strip Form	Loose Piece		
282404-1	183036-1	282403-1	183035-1	0.3-0.5 [22-20]	1.4-1.7 [.055-.067]
282109-1	183024-1	282110-1	183025-1	0.5-1.5 [20-16]	1.8-3.3 [.071-.130]
282465-1	-	282466-1	-	1.5-2.5 [16-14]	1.8-3.3 [.071-.130]



HDSCS Series

Receptacles and Tabs



The Heavy Duty Sealed Connector Series (HDSCS) offers several cavity arrangements and mixed wire sizes. The rugged, thermoplastic connectors have a secondary lock with poke-yoke feature and can be used for in-line or flange mount applications. HDSCS connectors are available in five housing sizes and four keying options.

No. of Positions	Group	Contact Size	Keying Colour	Receptacle Housing	Flange Tab Housing	Tab Housing Without Flange
2	A	2.8	Black	1-1418483-1	1-1703841-1	1-1703839-1
			Grey	2-1418483-1	2-1703841-1	2-1703839-1
			Green	3-1418483-1	3-1703841-1	3-1703839-1
			Blue	4-1418483-1	4-1703841-1	4-1703839-1
(3) 2	A	1.5K	Black	1-1418448-2	-	-
			Grey	2-1418448-2	-	-
			Green	3-1418448-2	-	-
			Blue	4-1418448-2	-	-
2	C	6.3	Black	1-1564542-1	1-1564546-1	1-1564544-1
			Grey	2-1564542-1	2-1564546-1	2-1564544-1
			Green	3-1564542-1	3-1564546-1	3-1564544-1
			Blue	4-1564542-1	4-1564546-1	4-1564544-1
3	A	6.3	Black	1-1418448-1	1-1703843-1	1-1670730-1
			Grey	2-1418448-1	2-1703843-1	2-1670730-1
			Green	3-1418448-1	3-1703843-1	3-1670730-1
			Blue	4-1418448-1	4-1703843-1	4-1670730-1
4	B	2.8	Black	1-1418390-1	1-1703808-1	1-1703818-1
			Grey	2-1418390-1	2-1703808-1	2-1703818-1
			Green	3-1418390-1	3-1703808-1	3-1703818-1
			Blue	4-1418390-1	4-1703808-1	4-1703818-1
	E	6.3	Black	1-1564330-1	-	1-1564534-1
			Grey	2-1564330-1	-	2-1564534-1
			Green	3-1564330-1	-	3-1564534-1
			Blue	4-1564330-1	-	4-1564534-1

HDSCS Series

Receptacles and Tabs (continued)

No. of Positions	Group	Contact Size	Keying Colour	Receptacle Housing	Flange Tab Housing	Tab Housing Without Flange
6	B	1.5K	Black	1-1418469-1	1-1703820-1	1-1703773-1
			Grey	2-1418469-1	2-1703820-1	2-1703773-1
			Green	3-1418469-1	3-1703820-1	3-1703773-1
			Blue	4-1418469-1	4-1703820-1	4-1703773-1
	C	2.8	Black	1-1418437-1	-	-
			Grey	2-1418437-1	-	-
			Green	3-1418437-1	-	-
			Blue	4-1418437-1	-	-
7	C	(4) 1.5K (3) 2.8	Black	1-1418480-1	1-1670214-1	1-1703648-1
			Grey	2-1418480-1	2-1670214-1	2-1703648-1
			Green	3-1418480-1	3-1670214-1	3-1703648-1
			Blue	4-1418480-1	4-1670214-1	4-1703648-1
8	C	1.5K	Black	1-1418479-1	1-1564416-1	1-1564512-1
			Grey	2-1418479-1	2-1564416-1	2-1564512-1
			Green	3-1418479-1	3-1564416-1	3-1564512-1
			Blue	4-1418479-1	4-1564416-1	4-1564512-1
	D	2.8	Black	1-1670894-1	-	1-1564522-1
			Grey	2-1670894-1	-	2-1564522-1
			Green	3-1670894-1	-	3-1564522-1
			Blue	4-1670894-1	-	4-1564522-1
10	D	(6) 1.5K (4) 2.8	Black	1-1564514-1	1-1564518-1	1-1564516-1
			Grey	2-1564514-1	2-1564518-1	2-1564516-1
			Green	3-1564514-1	3-1564518-1	3-1564516-1
			Blue	4-1564514-1	4-1564518-1	4-1564516-1
12	D	1.5K	Black	1-1703639-1	1-1564520-1	1-1564414-1
			Grey	2-1703639-1	2-1564520-1	2-1564414-1
			Green	3-1703639-1	3-1564520-1	3-1564414-1
			Blue	4-1703639-1	4-1564520-1	4-1564414-1
	E	2.8	Black	1-1670901-1	-	-
			Grey	2-1670901-1	-	-
			Green	3-1670901-1	-	-
			Blue	4-1670901-1	-	-
15	E	(9) 1.5K (6) 2.8	Black	1-1563878-1	1-1564532-1	1-1564530-1
			Grey	2-1563878-1	2-1564532-1	2-1564530-1
			Green	3-1563878-1	3-1564532-1	3-1564530-1
			Blue	4-1563878-1	4-1564532-1	4-1564530-1
16	E	(12) 1.5K (4) 2.8	Black	1-1564337-1	1-1564407-1	1-1564528-1
			Grey	2-1564337-1	2-1564407-1	2-1564528-1
			Green	3-1564337-1	3-1564407-1	3-1564528-1
			Blue	4-1564337-1	4-1564407-1	4-1564528-1
18	E	1.5K	Black	1-1563759-1	1-1564526-1	1-1564412-1
			Grey	2-1563759-1	2-1564526-1	2-1564412-1
			Green	3-1563759-1	3-1564526-1	3-1564412-1
			Blue	4-1563759-1	4-1564526-1	4-1564412-1

HDSCS Series

Stamped and Formed Tabs



Size	Strip Form	Loose Piece	Wire Size (mm ²)	Insulation Diameter (mm) FLR	Finish
1.5K	969028	969029	0.2-0.5	1.2-1.6	-2/-3
	964269	964270	0.5-1.0	1.4-2.1	-2/-3/-5
	1703278	1703279	1.5	1.9-2.4	-2/-5
2.8	965982	965983	0.2-0.5	max 2.1	1-xxx-1 1-xxx-3
	962915	963748	0.5-1.0	max 2.1	1-xxx-1 1-xxx-2 1-xxx-3 2-xxx-1 2-xxx-2 2-xxx-3
	962916	963749	1.5-2.5	max 3.0	1-xxx-1 1-xxx-2 1-xxx-3 2-xxx-1 2-xxx-2 2-xxx-3
	1719504	1719503	12 TXL	max 3.2	1-xxx-1 1-xxx-2
6.3/ 4.8K	962917	963742	0.5-1.0	1.4-2.1	1-xxx-1 1-xxx-2 2-xxx-1 2-xxx-2
	962918	963743	1.5-2.5	2.2-3.0	1-xxx-1 1-xxx-2 2-xxx-1 2-xxx-2
	962919	963744	>2.5-4.0	2.7-3.7	1-xxx-1 1-xxx-2 2-xxx-1 2-xxx-2

Wire Seals



Contact Size	Insulation Diameter (mm)	Colour	Part Number
1.5K	0.9-1.2	Green	1718705-1
	1.2-1.6	Red	964971-1
		Blue	1394133-1
	1.4-1.9	Grey	963530-1
	1.9-2.1	Yellow	964972-1
	1.9-2.4	Orange	2112323-1
2.8	1.2-2.1	Blue	828904-1
			828904-2
	2.2-3.0	White	828905-1
6.3/4.8K	1.4-2.0	Yellow	2177018-1
	2.0-2.7	White	1394511-1
	2.7-2.9	Red brown	1823111-1
	3.4-3.7	Blue	1394512-1
	4.0-4.5	Green	1719043-1

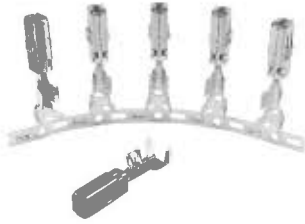
Sealing Plugs



Contact Size	Wire Size	Colour	Part Number
1.5K	3.6 mm	White	963531-1
		Natural	1394132-1
2.8	5.6 mm	Natural	828922-1
		Green	828922-2
6.3/4.8K	8.5 mm	Transparent	967652-1

HDSCS Series

Stamped and Formed Receptacles



Size	Strip Form	Loose Piece	Wire Size (mm ²)	Insulation Diameter (mm) FLK	Insulation Diameter (mm) FLR	Finish
1.5K	1564324	1564325	0.2-0.5	-	1.1-1.4	-1/-2/-3
	1241380	1241381	0.5-1.0	-	1.4-2.1	-1/-2/-3 1-xxx-2*
	1418884	1418885	>1.0-1.5	-	2.2-2.4	-1/-3
2.8	968882	968896	0.35	-	1.2-1.4	1-xxx-1 1-xxx-3
	968855	968875	0.5-1.0	-	1.4-2.1	1-xxx-1 1-xxx-2 1-xxx-3
	968857	968876	>1.0-2.5	-	2.2-3.0	1-xxx-1 1-xxx-3
6.3/ 4.8K	1241410	1241411	0.35-0.5	1.3-2.3	1.2-1.6	-1/-3
	1241412	1241413	0.5-1.0	2.0-2.7	1.4-2.1	-1/-3
	1241414	1241415	0.35-0.5	2.7-3.7	2.2-3.0	-1/-3
	1241416	1241417	>2.5-4.0	4.1-4.5	3.4-3.7	-1/-3
	1241418	1241419	4.0-6.0	-	3.4-4.3	-4 1-xxx-3 2-xxx-3

AMP MCP Receptacle Finish Codes

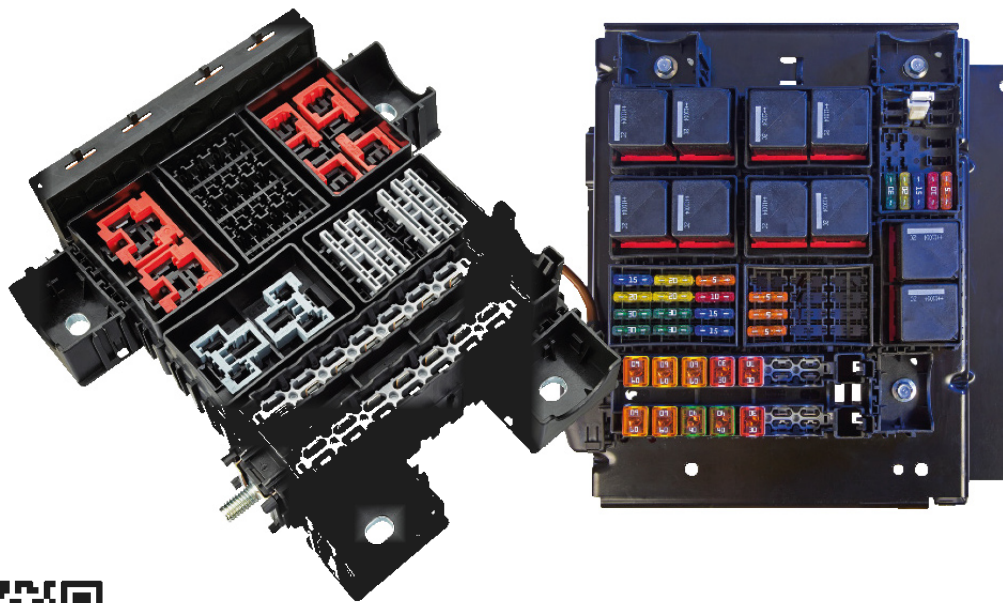
Finish Code	Material
-1	CuNiSi, pre-tin plated
-2	CuNiSi, selective gold plated
-3	CuNiSi, selective silver plated
-4	CuNiSi, tin-silver pre-plated
1-xxx-1	CuNiSi, pre-tin plated
1-xxx-2	CuNiSi, selective gold plated
1-xxx-2*	CuNiSi, min 1.27 µm selective gold plated
1-xxx-3	CuNiSi, selective silver plated

MFINITY

Fuse and Relay Box

TE Connectivity (TE) has developed a complete modular hard wired box family called MFINITY. The MFINITY Fuse and Relay Box offer limitless combinations with various modules, easily assembled into a complete power distribution panel, without any tooling cost.

Upon request, TE are able to design and manufacture custom modules, wire dress, frames or covers to meet specific customer requirements. With its proven technology, the MFINITY Fuse and Relay Box offers flexible, off the shelf products targeting low volume customers to create their own configurations.



MFINITY

Products

- Fuse Holders
- Relay Holders
- Holder Guides
- Fuse and Relay Boxes
- Modular Concept – MFINITY

Applications

- Body Harness
- Engine Harness

Product Features

- Direct wire fuse and relay solutions
- Pre-fuse modules
- ISO standard
- Modular design
- Temperature class -40°C to +85°C

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