

DEUTSCH

LTD



Industrial Connector Modifications

DT Series Flanges & Adaptors

HDP Series Conduit Adaptors

DRB Series & Special Products

A S T E P A H E A D I N T E C H N O L O G Y



Specialised Capability and Innovation

Deutsch is well known for its high performance connectors and has built a solid reputation world wide in the wire termination and custom integrated interconnection market.

Our expertise has developed over many years of involvement with

- **Building and Construction equipment**
- **Heavy goods vehicles**
- **Off road and marine equipment**
- **Agricultural tractors and farm machinery**
- **Special purpose vehicles**
- **Coaches, buses and commercial vehicles**



In all cases the environments can be tough and life expectancy is long term. Special attention is paid to connector material choice, the operating environments, temperature ranges and above all sealability.

Specific applications such as engine management systems, hydraulic controls, chassis and engine wiring, cab bulkhead through connections, vehicle ABS & EBS, diagnostic and multiplexing are well understood. Deutsch design and development ensures that the right product is offered when working closely with our customers.

Special interfaces are continually being developed for sensors, solenoids, switches, lights, electronic enclosures and fuel systems. In these areas particular attention has to be paid to vibration, through pin sealing and high electrical integrity.



DT Series Standard Products

Deutsch DT Series of environmentally sealed connectors designed for wire to wire applications on engine, transmission, chassis and cab.

There are two versions identified by different colours:-

Grey - Plug with orange wedge lock, Receptacle with green wedge lock. **Black** (preferred) - With enhanced seal retention and green secondary locks.

Note: Component parts are not intermountable 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).

Part Nos. - Plugs

No. of Ways	Basic Part No.	Standard						With End Cap					
		Grey		Orange Wedge	Black		Green Wedge	Grey		Orange Wedge	Black		Green Wedge
		Std.	Thin wall		Std.	Thin wall		Std.	Thin wall		Std.	Thin wall	
2	DT06-2S	-P004	-C015	W2S	-P012	-CE06	W2S-P012	-EP04	-CE01	W2S	-EP06	-CE05	W2S-P012
3	DT06-3S	-P004	-C015	W3S	-P012	-CE06	W3S-P012	-EP04	-CE01	W3S	-EP06	-CE05	W3S-P012
4	DT06-4S	-P004	-C015	W4S	-P012	-CE06	W4S-P012	-EP04	-CE01	W4S	-EP06	-CE05	W4S-P012
6	DT06-6S	-P004	-C015	W6S	-P012	-CE06	W6S-P012	-EP04	-CE01	W6S	-EP06	-CE05	W6S-P012
8	DT06-8SA	-P004	-C015	W8S	-EP07	-CE10	W8S-P012	-EP04	-CE01	W8S	-EP08	-CE11	W8S-P012
12	DT06-12SA	-P004	-C015	W12S	-EP07	-CE10	W12S-P012	-EP04	-CE01	W12S	-EP08	-CE11	W12S-P012



Part Nos. - Receptacles

Part Nos. - Receptacles		Standard				With End Cap				
No. of Ways	Basic Part No.	Grey		Black		Grey		Black		Green Wedge
		Std.	Thin wall	Std.	Thin wall	Std.	Thin wall	Std.	Thin wall	
2	DT04-2P	-P004	-C015	-E004	-CE02	-EP04	-CE01	-E005	-CE03	W2P
3	DT04-3P	-P004	-C015	-E004	-CE02	-EP04	-CE01	-E005	-CE03	W3P
4	DT04-4P	-P004	-C015	-E004	-CE02	-EP04	-CE01	-E005	-CE03	W4P
6	DT04-6P	-P004	-C015	-E004	-CE02	-EP04	-CE01	-E005	-CE03	W6P
8	DT04-8PA	-P004	-C015	-E004	-CE02	-EP04	-CE01	-E005	-CE03	W8P
12	DT04-12PA	-P004	-C015	-E004	-CE02	-EP04	-CE01	-E005	-CE03	W12P



DT Series

Flanges



The DT Flanged Series of sealed connectors is available in grey and black with standard or thin wall wire seals. Each receptacle requires a secondary contact lock - e.g. W3P through to W12P coloured green.

Wire Sealing Range

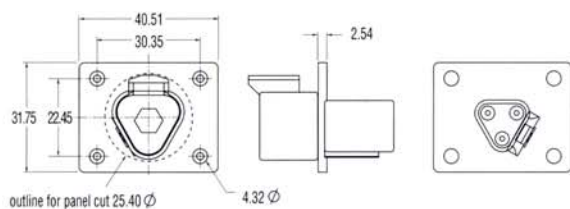
Standard - 2.24mm - 3.68mm wire insulation diameter

Thin wall - 1.35mm - 3.05mm wire insulation diameter

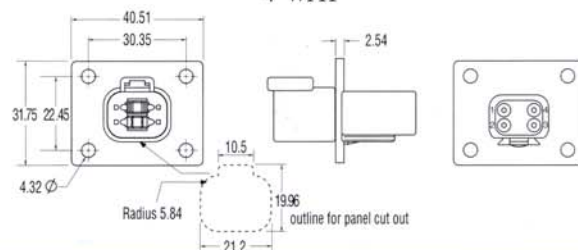
Part Nos.

No. of Ways	Basic Part No.	Grey		Black	
		Std.	Thin wall	Std.	Thin wall
3	DT04-3P	-L012	-CL03	-LE14	-CL06
4	DT04-4P	-L012	-CL03	-LE14	-CL06
8	DT04-8P	-L012	-CL03	-LE14	-CL06
12	DT04-12P	-L012	-CL03	-LE14	-CL06

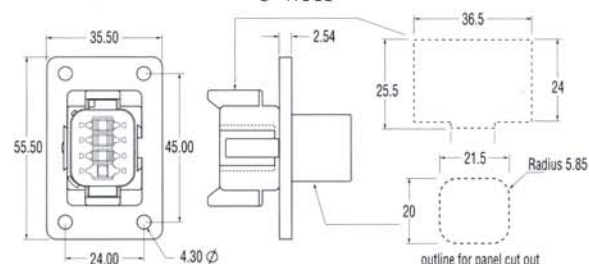
3 WAY



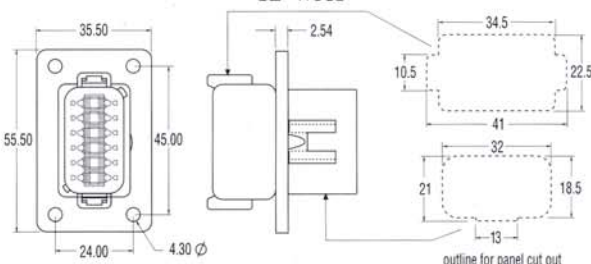
4 WAY



8 WAY



12 WAY



DT Series

Boot Adaptors



To meet the application requirements where wires are to be protected, the DT Series maybe 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

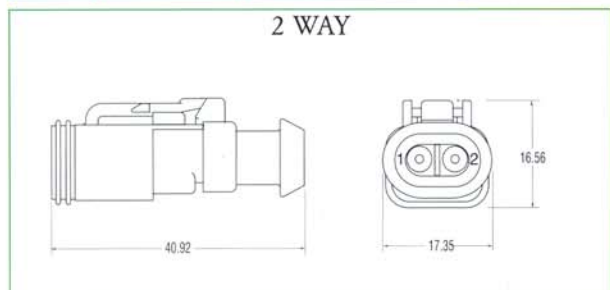
Part Nos. - Plugs

No. of Ways	Basic Part No.	Grey		Black	
		Std.	Thin wall	Std.	Thin wall
2	DT06-2S	-E008	-CE04	-EP11	-CE13
3	DT06-3S	-E008	-CE04	-EP11	-CE13
4	DT06-4S	-E008	-CE04	-EP11	-CE13
8	DT06-8SA	-E008	-CE04	-EP11	-CE12
12	DT06-12SA	-E008	-CE04	-EP11	-CE12

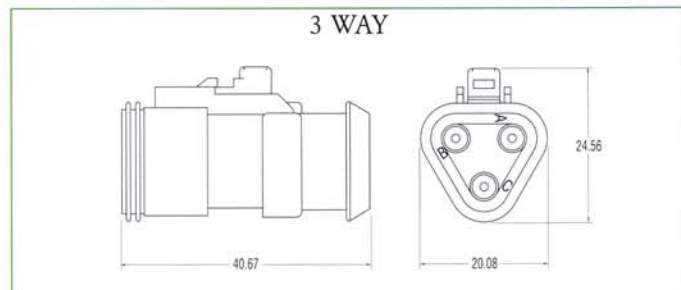
Part Nos. - Receptacles

No. of Ways	Basic Part No.	Grey		Black	
		Std.	Thin wall	Std.	Thin wall
2	DT04-2P	-E008	-CE04	-EE01	-CE09
3	DT04-3P	-E008	-CE04	-EE01	-CE09
4	DT04-4P	-E008	-CE04	-EE01	-CE09
8	DT04-8PA	-E008	-CE04	-EE01	-CE09
12	DT04-12PA	-E008	-CE04	-EE01	-CE09

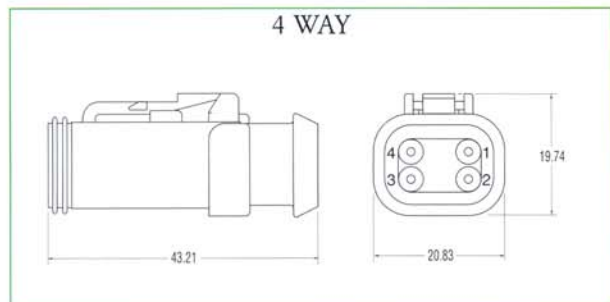
2 WAY



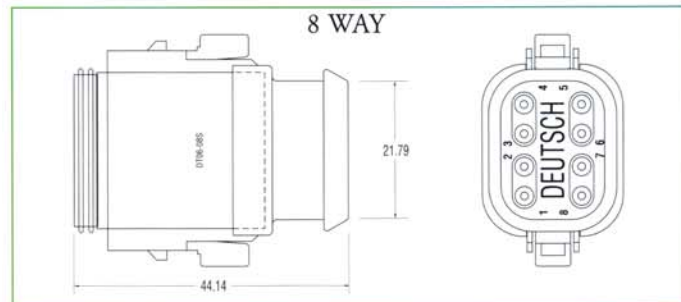
3 WAY



4 WAY



8 WAY



DRB Series

Bulkhead



The 48, 60 or 102 way high density bulkhead connectors are provided with 3 basic parts, a central bulkhead flange and two independent plug and socket assemblies complete with contact secondary locks

Insert arrangements use multiple sizes of contacts from the standard range and may be mounted in either environmental or non

environmental versions. Plug and receptacle mate with a single sturdy jack screw.

No specific tools are required for either insertion or extraction of contacts

Special Products

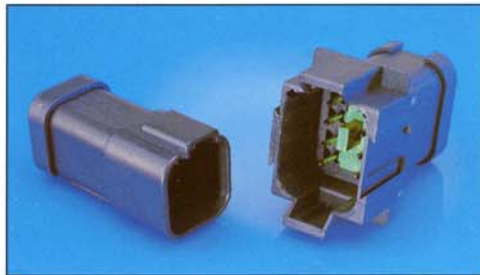
Diodes

Modules with moulded in semi conductor devices can be mated with the DT Series providing a fully sealed and compact package. Peak reverse voltages up to 600 volts and average forward current up to 4 amps.

2 way: DT04 - 2P - RT01 or RT02. 4 way: DT04 - 4P - RT01 or RT03

Bussing Connectors

These sealed standard DT receptacles feature internal pin type contact buss bar arrangements which eliminate the need for wire splicing. 3 to 12 ways in either nickel or gold plate are available. All will mate with the appropriate DT connectors.



Boxes

Designed with space to accommodate one or more DTM interfaces, the flanged header features 90° pins. A radial flange seat provides the PCB enclosure with environmental sealing.

Enclosure: EEC - 325X4A or B (A is for a vent hole).

12 Pin Receptacle - DTM13 - 12PA - R008. 24 Pin Receptacle - DTM13 - 12PA - 12PB - R008



-L015 and -L017

Green: Standard (N) **Blue:** Thin Wall (E)

A 23 way plug and receptacle suitable for size 16AWG contacts.

HDP26 - 24 - 23SN - L015

HDP26 - 24 - 23SE - L015

HDP24 - 24 - 23PN - L015

HDP24 - 24 - 23PE - L015

ii For additional connector information please refer to the appropriate catalogue

iii Not recommended for insert arrangement 24-9

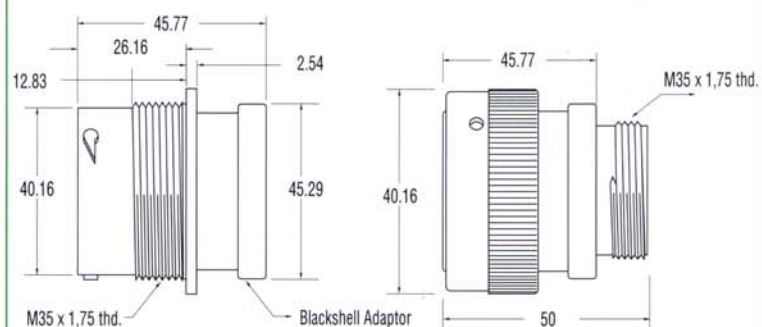
e.g. Typical Part No. HDP26 - 24 - 23SE - L017

For further details please refer to the HD and HDP Connector Brochure.

Conduit Adaptor



PLUG AND RECEPTACLE



Special Products

Multiplex Connectors

J1939 & ISO/CD 11783-2

Parts include flange mounted and polarised connectors, "T" splitters and bus terminators. Both shielded and unshielded twisted pair cable can be accommodated.

Further details from our sales office.

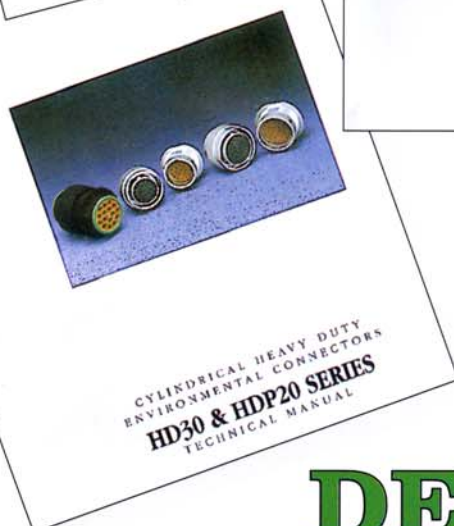
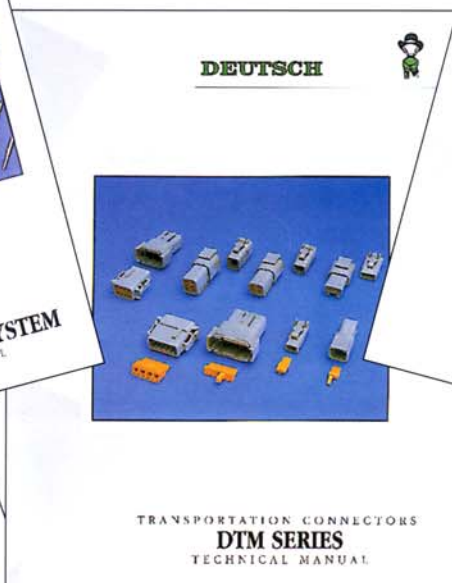
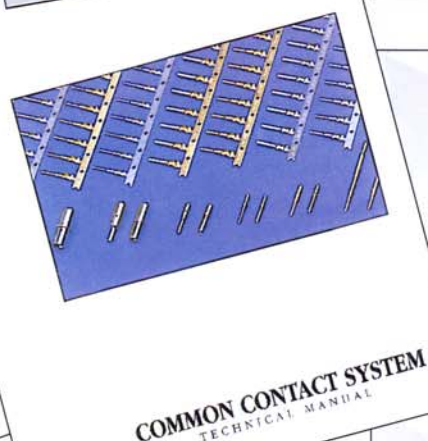
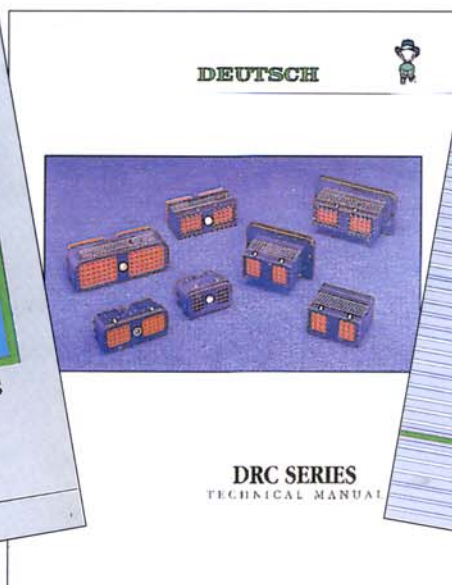
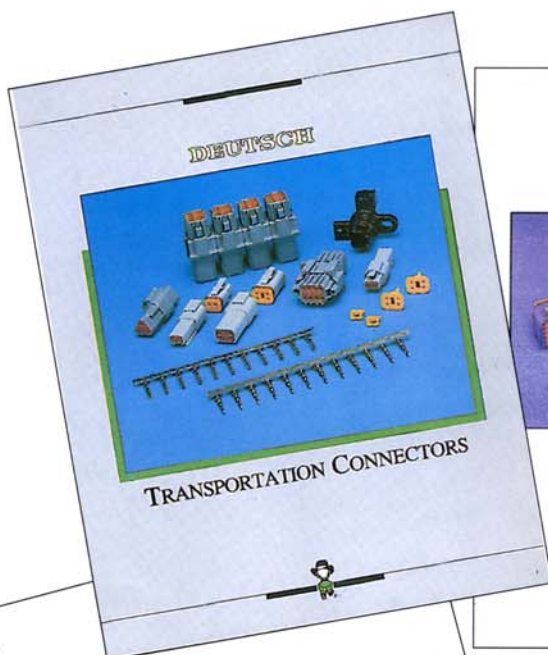


PCB Flangeless Connectors

The DTF Series flangeless headers are designed to be potted into PCB enclosures where space is limited. Parts are environmentally sealed when mated to the Deutsch DT06 plugs. 6, 8 & 12 way will be available.



Further Literature in the Deutsch Range



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