

Deutsch Connectors Specifications

DRB Series

- Accepts contact sizes 4 (100 amps), 8 (60 amps), 12 (25 amps), 16 (13 amps), and 20 (7.5 amps)
- 6-22 AWG
- 48, 60, and 102 cavity arrangements
- Flange mount
- Rectangular, thermoplastic housing
- Jackscrew for mating
- Wedgelocks assure contact alignment and retention



DRC Series

- Accepts contact sizes 16 (13 amps) and 20 (7.5 amps)
- 14-22 AWG
- 24, 38, 40, 50, 60, 64, 70, and 80 cavity arrangements
- Inline, flange, and PCB mount
- Rectangular, thermoplastic housing
- Jackscrew for mating



DT Series

- Accepts contact size 16 (13 amps)
- 14-20 AWG
- 2, 3, 4, 6, 8, and 12 cavity arrangements
- Inline, flange, and PCB mount
- Rectangular, thermoplastic housing
- Integrated latches for mating
- Wedgelocks assure contact alignment and retention



DTHD Series

- Accepts contact sizes 4 (100 amps), 8 (60 amps), and 12 (25 amps)
- 6-14 AWG
- 1 cavity arrangement
- Inline and flange mount
- Circular, thermoplastic housing
- Integrated latch for mating



DTM Series

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



Deutsch Connectors Specifications

DTP Series

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



DTV Series

- Accepts contact size 16 (13 amps)
- 14-20 AWG
- 18 cavity arrangement
- Flange mount
- Rectangular, thermoplastic housing
- Integrated latches for mating
- Wedgelocks assure contact alignment and retention



HD10 Series

- Accepts contact sizes 4 (100 amps), 12 (25 amps), and 16 (13 amps)
- 6-20 AWG
- 3, 4, 5, 6, and 9 cavity arrangements
- Inline, flange, and PCB mount
- Circular, thermoplastic housing
- Coupling ring for mating



HD30 Series

- Accepts contact sizes 4 (100 amps), 8 (60 amps), 12 (25 amps), 16 (13 amps), and 20 (7.5 amps)
- 6-22 AWG
- 2, 6, 8, 9, 14, 16, 18, 19, 20, 21, 23, 29, 31, 33, 35 and 47 cavity arrangements
- Inline or flange mount
- Circular, aluminium housing
- Coupling ring for mating



HDP20 Series

- Accepts contact sizes 4 (100 amps), 8 (60 amps), 12 (25 amps), 16 (13 amps), and 20 (7.5 amps)
- 6-22 AWG
- 2, 6, 8, 9, 14, 16, 18, 19, 20, 21, 23, 29, 31, 33, 35 and 47 cavity arrangements
- Inline or flange mount
- Circular, thermoplastic housing
- Coupling ring for mating









Deutsch Performance Specifications

ARC Resistance	All dielectric materials withstand a minimum of 130 seconds per ASTM D-495.
Corrosion Resistance	Connectors show no evidence of corrosion after exposure to 48 hours of salt spray per MIL-STD 1344 method 1001.
Dielectric Withstanding Voltage	Current leakage less than 2 milliamps at 1500 VAC.
Durability	No electrical or mechanical defects after 100 cycles of engagement or disengagement.
Fluid Resistance	Connectors show no damage when exposed to most fluids used in industrial applications.
Insulation Resistance	1000 megohms min. at 25° C.
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."
Silicone Insert	Front and rear silicone inserts are devoid of all organic matter.
Submersion	Properly wired and mated connection will withstand immersion under three feet of water without loss of electrical qualities or leakage.
Temperature	Operative at temperatures from -55° C to +125° C at rated current.
Thermal Cycle	No cracking, chipping, or leaking after twenty cycles from -55° C to +125° C.
Vibration	Maintains continuity and exhibits no mechanical or physical damage after vibration levels of 20 g's at 10-2000 Hz.
Common Contact System	All wires are terminated by a single contact system. The only variation in contacts is dictated by wire gauge. One contact, whether it is a solid or stamped & formed can be assembled with the complete Deutsch connector family. The Common Contact System applies to a common system of contacts, tooling processes, and terminations.




Contacts withstand a minimum load of:			
Contact Retention	Contact Size	Load	
	4	35 lbs.	
	8	35 lbs.	
	12	30 lbs.	
	16	25 lbs.	
	20	20 lbs.	
Contact Current Rating @ 125° C (continuous)	Contact Size	Max Current	
	#4	100 amps	
	#8	60 amps	
	#12	25 amps	
	#16	13 amps	
	#20	7.5 amps	
Contact Millivolt Drop (Solid Contacts)	Wire AWG	Test Current	Millivolt Drop*
	4	100 amps	60
	8	60 amps	60
	12	25 amps	60
	16	13 amps	60
	20	7.5 amps	60
Contact Millivolt Drop (Stamped & Formed Contacts)	Wire AWG	Test Current	Millivolt Drop*
	12	25 amps	10
	16	13 amps	100
	20	7.5 amps	100

*Less drop through wire

Harting


Han 3 A 3 + $\frac{\pm}{\pm}$	 Screw Terminal	 Side Entry Hood	 Top Entry Hood	 Panel Mount Housing	 Surface Mount Housing	 Cable to Cable	Gland	Gland	Gland	A20								
											250V	19 20 003 1440	09 20 003 0301	19 20 003 1250	19 20 003 1750	20mm	20mm	A20
											10A	(M) 09 20 003 2611						
											2,5mm	(F) 09 20 003 2711						

Han 6 E 6 + $\frac{\pm}{\pm}$	 Screw Terminal	 Side Entry Hood	 Top Entry Hood	 Panel Mount Housing	 Surface Mount Housing	 Two Side-Entry	Gland	Gland	Gland	A20							
											380V	19 30 006 1540	09 30 006 0301	19 30 006 1250	19 30 006 1290	20mm	2x20mm
											16A	H 19 30 006 1541	with thermoplastic cover 09 30 006 0302	with thermoplastic cover 19 30 006 1255	with thermoplastic cover 19 30 006 1295	25mm	2x20mm
											2,5mm	H 19 30 006 0547				32mm	

Han 10 E 10 + $\frac{\pm}{\pm}$	 Screw Terminal	 Side Entry Hood	 Top Entry Hood	 Panel Mount Housing	 Surface Mount Housing	 Two Side-Entry	Gland	Gland	Gland	A20							
											380V	19 30 010 1540	09 30 010 0305	19 30 010 1250	19 30 010 1290	20mm	2x20mm
											16A	H 19 30 010 1541	with thermoplastic cover 09 30 010 0303		with thermoplastic cover 19 30 010 1295	25mm	2x20mm
											2,5mm	H 19 30 010 0547				32mm	

L = Low Construction H = High Construction

Harting

Han 16 E 16 + $\frac{+}{-}$	Screw Terminal			Side Entry Hood	Gland	Top Entry Hood	Gland	Panel Mount Housing	Surface Mount Housing	Gland	Two Side-Entry	Gland
Working Voltage	380V			2 levers on the Housing		2 levers on the Housing		2 levers on the Housing	2 levers on the Housing		2 levers on the Housing	
Working Current	16A											
Wire Gauge	2,5mm			L 19 30 016 1521 H 19 30 016 1522 H 19 30 016 0527	25mm 32mm 32mm	L 19 30 016 1421 H 19 30 016 0427 H 19 30 016 0428	25mm 32mm 40mm	09 30 016 0301	L 19 30 016 1231 L 19 30 016 0232	25mm 32mm	L 19 30 016 1271 H 19 30 016 0271 H 19 30 016 0272	A22 A22 A23

Han 24 E 24 + $\frac{+}{-}$	Screw Terminal			Side Entry Hood	Gland	Top Entry Hood	Gland	Panel Mount Housing	Surface Mount Housing	Gland	Two Side-Entry	Gland
Working Voltage	380V			1 lever on the Housing		1 lever on the Housing		1 lever on the Housing	1 lever on the Housing		1 lever on the Housing	
Working Current	16A											
Wire Gauge	2,5mm			L 19 30 024 1541 L 19 30 024 1542 H 19 30 024 0547	25mm 32mm 32mm	L 19 30 024 1442 H 19 30 024 0447	32mm 32mm	09 30 024 0307 with thermoplastic cover 09 30 024 0304	19 30 024 1251 with thermoplastic cover 19 30 024 1256	25mm 25mm	19 30 024 0292 with thermoplastic cover 19 30 024 1296	A23 2x32mm 2x32mm

L = Low Construction H = High Construction

Harting

Han 24 E 24 + $\frac{5}{5}$	380V		Screw Terminal	Side Entry Hood 2 levers on the Housing 	Gland	Top Entry Hood 2 levers on the Housing 	Gland	Panel Mount Housing 2 levers on the Housing 	Surface Mount Housing 2 levers on the Housing 	Gland	Two Side-Entry 2 levers on the Housing 	Gland	Gland															
	Working Voltage	16A												2,5mm	25mm	09 30 024 0301	L 19 30 024 1231	25mm	L 19 30 024 1271	2x25mm	A22							
																						32mm	32mm	L 19 30 024 0232	32mm	H 19 30 024 0272	2x32mm	A21
				L 19 30 024 1521	25mm	L 19 30 024 1422	25mm	L 19 30 024 1231	L 19 30 024 1231	25mm	L 19 30 024 1271	25mm	L 19 30 024 1271	A22														
				L 19 30 024 1522	32mm	H 19 30 024 0427	32mm	L 19 30 024 0301	L 19 30 024 0232	32mm	H 19 30 024 0272	32mm	H 19 30 024 0272	A21														
				H 19 30 024 0527	32mm	H 19 30 024 0428	40mm	L 19 30 024 0301	L 19 30 024 0232	40mm	H 19 30 024 0272	40mm	H 19 30 024 0272	A23														

L = Low Construction H = High Construction

Notes



Notes

