



DEUTSCH STAMPED & FORMED CONTACTS

SIZE 12 / 16 / 20

KEY BENEFITS

- **Versatile Size Options:** Available in size 12, 16, and 20 for various applications and wire gauges.
- **Excellent Electrical Conductivity:** Tin or nickel plating helps ensure low contact resistance and corrosion protection.
- **Wide Temperature Tolerance:** Operational from -55°C to +125°C, suitable for extreme environmental conditions.
- **Easy to use:** Crimping can be done anywhere, without special preparation.
- **Automation Ready:** Supplied in reeled packaging for high-speed automated crimping.
- **System Compatibility:** Designed to perfectly mate with DEUTSCH sealed and unsealed connectors.
- **High Performance in Harsh Conditions:** Proven in automotive, off-highway, and heavy-duty industrial environments.

TE Connectivity's DEUTSCH stamped & formed contacts are designed to deliver high-performance electrical connections in harsh environments. Available in size 12, 16, and 20, these contacts support a broad range of wire gauges and current ratings. Manufactured through a precise stamping process and plated for durability, they are fully compatible with DEUTSCH connector systems, making them suitable for transportation, agriculture, construction equipment, and industrial automation.

INDUSTRIES



Truck



Construction



Bus



Agriculture



Power Sports



Marine



Lift Trucks



Recreationals



Specialty Vehicles

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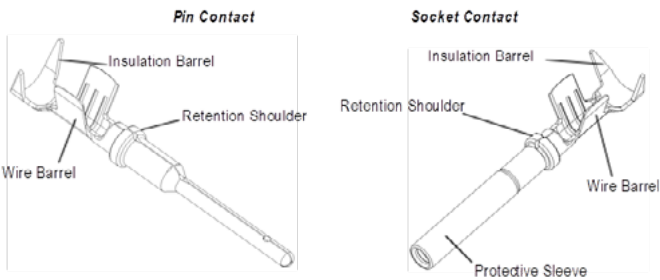
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PRODUCT FEATURES

Feature	Size 12 Contacts	Size 16 Contacts	Size 20 Contacts
Wire Gauge Range	10-14 AWG [6.0-2.0 mm ²]	12-20 AWG [2.50-0.50 mm ²]	14-22 AWG [2.50-0.35 mm ²]
Mating Pin Diameter	2.40 mm	1.5 mm	1.04 mm
Max Current Rating	25A	13A	7.5A
Operating Temperature	-55°C to +125°C	-55°C to +125°C	-55°C to +125°C
Interface Plating	Size 12: Nickel, Gold Size 16: Tin, Nickel, Gold, PdNiAu Size 20: Tin, Nickel, Gold		
RoHS Compliant	Yes	Yes	Yes

PRODUCT DOCUMENTATION

108-151000	Product Specification: Detailed product performance for size 12/16/20
114-151000	Application Specification: Crimping guidelines for size 16 (14-01, 16-01, 16-06, 16-07, 16-09)
114-151001	Application Specification: Crimping guidelines for size 16 (16-12)
114-151002	Application Specification: Crimping guidelines for size 12 (12-01)
114-151003	Application Specification: Crimping guidelines for size 20 (20-01, 20-02, 20-03, 20-06)
114-151006	Application Specification: Crimping guidelines for size 12 (12-02)
502-151000	Engineering Test Report: Size 12/16/20 T-Rise and De-rating



STAMPED & FORMED STYLE



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ORDERING INFORMATION

Size	Contacts Part Number		Wire Size AWG (mm ²)	Wire Insulation O.D. Range	Recommended Strip Length Inches (mm)	Min. Contact Retention	Max Related Amps at 125°C Continuous	Interface Material
	Pin	Socket						
12	1060-12-0166	1062-12-0166	12-14 (4.0-2.0)	.113-.176 (2.87-4.47)	.250-.300 (6.35-7.62)	30 (133)	25	Tin/Nickel
	1060-12-0144	1062-12-0144						Gold
12	1060-12-0222	1062-12-0222	10 (6.0-4.0)	.140-.204 (3.56-5.18)	.250-.300 (6.35-7.62)	30 (133)	25	Nickel
16	1060-14-0122	1062-14-0122	14-18 (2.0-0.75)	.095-.150 (2.41-3.81)	.150-.200 (3.81-5.08)	25 (111)	13	Nickel
	1060-14-0144	1062-14-0144						Gold
16	1060-16-0122	1062-16-0122	14-18 (2.0-0.75)	.075-.140 (1.91-3.56)	.150-.200 (3.81-5.08)	25 (111)	13	Nickel
	1060-16-0144	1062-16-0144						Gold
	1060-16-0177	1062-16-0177						Tin
	1060-16-0988	1062-16-0988						Selective Gold
16	1060-16-0622	1062-16-0622	16-20 (1.0-0.50)	.050-.100 (1.40-2.54)	.150-.200 (3.81-5.08)	25 (111)	13	Nickel
	1060-16-0644	1062-16-0644						Gold
	1060-16-0677	1062-16-0677						Tin
	1060-16-0688	1062-16-0688						Selective Gold
16	1060-16-1222	1062-16-1222	12-16 (2.5-1.0)	.075-.140 (1.91-3.56)	.150-.200 (3.81-5.08)	25 (111)	13	Nickel
	1060-16-1244	1062-16-1244						Gold
20	1060-20-0122	1062-20-0122	16-22 (1.5-0.35)	.075-.125 (1.91-3.18)	.150-.200 (3.81-5.08)	20 (89)	7.5	Nickel
	1060-20-0144	1062-20-0144						Gold
	1060-20-0177	1062-20-0177						Tin
20	1060-20-0222	1062-20-0222	16-22 (1.5-0.35)	.050-.085 (1.27-2.16)	.150-.200 (3.81-5.08)	20 (89)	7.5	Nickel
	1060-20-0244	1062-20-0244						Gold
	1060-20-0277	1062-20-0277						Tin
20 Sleeveless	-	1062-20-0322	16-22 (1.5-0.35)	.075-.125 (1.91-3.18)	.150-.200 (3.81-5.08)	20 (89)	7.5	Nickel
		1062-20-0344						Gold
		1062-20-0377						Tin
20	1060-20-0622	1062-20-0622	14-16 (2.5-1.0)	.075-.125 (1.91-3.18)	.150-.200 (3.81-5.08)	20 (89)	7.5	Nickel
	1060-20-0644	1062-20-0644						Gold
	1060-20-0677	1062-20-0677						Tin

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TOOLING OVERVIEW

DEUTSCH stamped & formed contacts are designed for crimp style terminations - no solder is required or recommended. A crimp style termination displaces the wire strands creating a superior bond between the wire and the contact. Several tools are available for hand and production wire crimping, wire insertion and removal, and wedgelock/terminal position assurance removal. The tools are specific to the stamped & formed contacts. To create a proper crimp and achieve the highest performance specifications, contacts must be crimped with the recommended tooling.

AUTOMATED TOOLING FOR STAMPED & FORMED CONTACTS

For higher production volumes, the OCEAN applicator tools are available for stamped & formed contacts.

TE's stamped & formed OCEAN applicator dies are heavy duty mini-dies that work in many industry standard presses. These tools offer simple adjustments and the flexibility to accept different sized contacts and wire gauges.



	Contact 1060 (Pin); 1062 (Socket)	Wire Size AWG (mm ²)	OCEAN Applicator*	Insulation Outside Diameter Range Inches (mm)
Size 12 Group	1060-12-01XX; 1062-12-01XX	14-12 (2.0 - 4.0)	2266124-1	.151 - .176; (3.83 - 4.47)
			2266125-1	.129 - .150; (3.27 - 3.81)
			2266126-1	.113 - .128; (2.87 - 3.25)
Size 16 Group	1060-14-01XX; 1062-14-01XX	14-18 (2.0-0.75)	2266100-1	.120-.150; (3.05-3.81)
			2266101-1	.105-.119; (2.67-3.02)
	1060-16-01XX; 1062-16-01XX 1060-16-09XX; 1062-16-09XX	14-18 (2.0-0.75)	2266100-1	.120-.150; (3.05-3.81)
			2266101-1	.105-.119; (2.67-3.02)
			2266102-1	.089-.104; (2.26-2.64)
			2266103-1	.076-.088; (1.93-2.24)
			2266104-1	.063-.075; (1.60-1.91)
	1060-16-06XX; 1062-16-06XX	16-20 (1.0-0.50)	2266110-1	.066-.094; (1.68-2.39)
			2266111-1	.050-.065; (1.27-1.65)
	1060-16-12XX; 1062-16-12XX	12-16 (2.5-1.0)	2266112-1	.124 - .140; (3.15 - 3.56)
			2266113-1	.107 - .123; (2.72 - 3.12)
			2266114-1	.090 - .106; (2.29 - 2.69)
			2266115-1	.075 - .089; (1.91 - 2.26)
Size 20 Group	1060-20-01XX; 1062-20-01XX; 1062-20-03XX	16-22 (1.5-0.35)	2266116-1	.108-.125; (2.74-3.18)
			2266117-1	.091-.107; (2.31-2.72)
			2266118-1	.075-.090; (1.91-2.29)
	1060-20-02XX; 1062-20-02XX	16-22 (1.5-0.35)	2266119-1	.063-.085; (1.60-2.16)
			2266120-1	.050-.062; (1.27-1.57)
	1060-20-06XX; 1062-20-06XX	14-16 (2.5-1.0)	2266121-1	.108-.125; (2.74-3.18)
			2266122-1	.091-.107; (2.31-2.72)
			2266123-1	.075-.090; (1.91-2.29)

The -1 suffix on the applicator p/n represents a mechanical feed, for other feed options contact your representative.
The conversion kit is to convert applicators within the same group. For more information, please reference
TE catalog 1-1773730-8 or contact your representative.

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HAND TOOLS FOR DEUTSCH STAMPED & FORMED CONTACTS

For field service, prototype, and low-volume production, there are several easy-to-use hand crimp tools for stamped & formed contacts. All hand crimp tools provide a tight, complete crimp with minimal effort.

Hand crimp tools for DEUTSCH stamped & formed contacts are wire gauge specific and simultaneously crimp the insulation and conductor, saving time and effort during field service.

Contact Size	Contact Part Number	Tool Part Number
Size 12 Group	1060-12-01XX; 1062-12-01XX	2389167-1 2389168-1
	1060-12-02XX; 1062-12-02XX	2379255-1
Size 16 Group	1060-14-01XX; 1062-14-01XX	2388970-1
	1060-16-01XX; 1062-16-01XX 1060-16-09XX; 1062-16-09XX	2388970-1 2390264-1 2389783-1
	1060-16-06XX; 1062-16-06XX	2389783-1
	1060-16-12XX; 1062-16-12XX	2388970-1
Size 20 Group	1060-20-01XX; 1062-20-01XX 1062-20-03XX	2391435-1
	1060-20-02XX; 1062-20-02XX	DTT-20-02
	1060-20-06XX; 1062-20-06XX	DTT-20-03



MULTI-USE REMOVAL TOOL

	Part Number	Description
	DT-RT1	Multi-use tool with a small hook on one end for wedgelock removal, and a small screwdriver on the other end to push back the locking fingers and release the contact. For use with the DT, DTM, DTP, DTV, DRB, and STRIKE series.

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