# Sontacts State







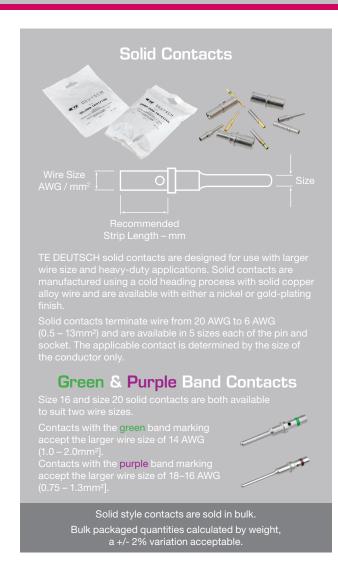


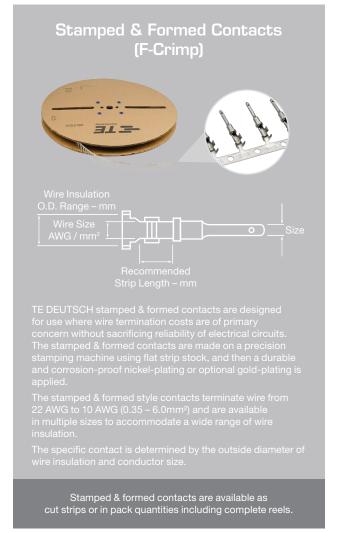


- Made from high-quality copper alloys, finished with nickel, tin or gold-plating.
- Exceptional durability, performance, corrosion and oxidation resistance.
- Exceed demands of today's industrial electrical systems.
- No retention tangs required, eliminating potential contact damage.
- Solder is not recommended, eliminating potential flux corrosion.
- Pack quantities of varying sizes available.

Material: Plating: Copper Alloy Nickel, Tin or Gold

Bulk packaged quantities calculated by weight, a +/- 2% variation acceptable.





size	Part Pin	No. Socket	Plating	Wir AWG	e Size mm²	Wire Insulation O.D. Range (mm)	Recommended Strip Length (mm)	Max. Rated A @ 125°C Continuous
20	1060-20-0122	1062-20-0122	Nickel	00 10	00.45	4.04 .0.45	40.50	7.5
20	1060-20-0144	1062-20-0144	Gold	22 – 16	0.3 – 1.5	1.91 – 3.15	4.0 – 5.0	7.5
	1060-16-0622	1062-16-0622	Nickel	20 – 16	0.5 – 1.0	1.40 – 2.54	3.8 - 5.0	
	1060-14-0122	1062-14-0122	Nickel	18 – 14	0.75 – 2.0	2.41 – 3.81	3.8 – 5.0	
10	1060-14-0144	-	Gold	18 – 14	0.75 – 2.0	2.41 – 3.81	3.8 – 5.0	40
16	1060-16-0122	1062-16-0122	Nickel	18 – 14	0.75 – 2.0	1.91 – 3.55	3.8 – 5.0	13
	1060-16-0144	1062-16-0144	Gold	18 – 14	0.75 – 2.0	1.91 – 3.55	3.8 - 5.0	
	- -	1062-16-1222	Nickel	16 – 12	1.3 – 3.3	1.91 – 3.55	4.5 - 5.8	
	1060-12-0166	1062-12-0166	Tin/Nickel	14 – 12	2.0 - 3.3	2.87 – 4.47	5.7 - 6.9	
12	1060-12-0222	1062-12-0222	Nickel	12 – 10	3.3 – 5.2	3.56 – 5.18	5.8 – 7.0	25









Con	Contacts – Stamped & Formed (F-Crimp) – Pack Quantities									
		Pin	S		Sockets					
Size	Plating	Part No.	100	Reel Qty	Part No. 100 Reel Qty					
20	Nickel	1060-20-0122	•	4000	<b>1062-20-0122</b> • 4000					
	Nickel	1060-16-0122	•	4000	<b>1062-16-0122</b> • 4000					
16	Gold	1060-16-0144	_	4000	<b>1062-16-0144</b> • 4000					
	Nickel	1060-14-0122	•	3200	<b>1062-14-0122</b> • 4000					
12	Nickel	1060-12-0222	•	2000	<b>1062-12-0222</b> • 2000					



Con	tacts - Solid						
Size	Part Pin	No. Socket	Plating	Wi AWG	re Size mm²	Recommended Strip Length (mm)	Max. Rated A @ 125°C Continuous
20	0460-202-2031	0462-201-2031	Gold	- 20	0.5	4.0 – 5.5	7.5
20	0460-202-20141	0462-201-20141	Nickel		0.5	4.0 - 0.0	7.5
20	0460-010-2031	0462-005-2031	Gold	18 _ 16	0.75 – 1.3	3.9 – 5.5	7.5
Purple Band	0460-010-20141	0462-005-20141	Nickel	10 - 10	0.73 - 1.3	3.9 – 3.3	7.5
16	0460-202-1631	0462-201-1631	Gold	- 20 – 16	0.5 – 1.0	6.4 – 8.0	13
	0460-202-16141	0462-201-16141	Nickel				
16 Green	0460-215-1631	0462-209-1631	Gold	- 14	1.0 – 2.0	6.4 – 8.0	13
Band	0460-215-16141	0462-209-16141	Nickel			3 3.0	
12	0460-220-1231	0462-210-1231	Gold	- 14 – 12	2.0 – 3.0	5.6 – 7.2	25
14	0460-204-12141	0462-203-12141	Nickel	17 - 12	2.0 - 0.0	5.5 - 1.2	20
8	0460-204-08141	0462-203-08141	Nickel	10 – 8	5.0 – 8.0	11.0 – 12.5	60
4	0460-204-0490	0462-203-04141	Nickel	6	13.0	11.0 – 12.5	100







Con	tacts – Solid –	Pins - P	ack (	Quan	tities								
Size	Part No.	Plating	1	25	50	100	400	500	800	1000	2.5K	5K	10K
20	0460-202-2031	Gold	•	•	•	•	_	•	_	•	_	_	•
20	0460-202-20141	Nickel	•	•	•	•	_	•	_	•	_	_	•
20	0460-010-2031	Gold	•	_	•	•	_	_	_	_	_	_	_
Purple Band	0460-010-20141	Nickel	•	•	•	•	_	•	_	_	_	_	_
16	0460-202-1631	Gold	•	•	•	•	_	•	_	_	_	•	_
10	0460-202-16141	Nickel	•	•	•	•	_	•	_	•	•	_	_
16	0460-215-1631	Gold	•	•	•	•	_	•	-	_	•	_	_
Green Band	0460-215-16141	Nickel	•	•	•	•	_	•	_	•	_	•	_
12	0460-220-1231	Gold	•	•	•	•	_	•	_	_	•	_	_
12	<b>0460-</b> 204 <b>-12141</b>	Nickel	•	•	•	•	_	•	_	•	•	_	_
8	0460-204-08141	Nickel	•	•	_	•	_	_	•	_	_	_	_
4	0460-204-0490	Nickel	•	-	-	•	•	-	-	_	-	_	_









Con	tacts – Solid -	- Sockets	s – Pa	ack Q	uanti	ties							
Size	Part No.	Plating	1	25	50	100	400	500	750	1000	2.5K	5K	10K
00	0462-201-2031	Gold	•	•	•	•	_	•	_	•	_	_	•
20	0462-201-20141	Nickel	•	•	•	•	_	•	_	•	_	_	•
20	0462-005-2031	Gold	•	_	•	•	_	_	_	_	_	_	_
Purple Band	0462-005-20141	Nickel	•	•	•	•	_	•	_	_	_	_	_
16	0462-201-1631	Gold	•	•	•	•	_	•	_	_	•	_	_
10	0462-201-16141	Nickel	•	•	•	•	_	•	_	•	_	•	_
16	0462-209-1631	Gold	•	•	•	•	_	•	_	_	•	_	_
Green Band	0462-209-16141	Nickel	•	•	•	•	_	•	_	•	•	_	_
12	0462-210-1231	Gold	•	•	•	•	_	_	_	_	•	_	_
12	0462-203-12141	Nickel	•	•	•	•	_	•	_	•	•	_	_
8	0462-203-08141	Nickel	•	•	_	•	_	_	•	_	_	_	_
4	0462-203-04141	Nickel	•	_	_	•	•	_	_	_	_	_	_





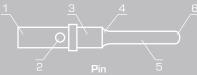
#### Cavity Plugs & Keying Pin Contact Pack Quantities Part No. Material 100 0413-204-2005 20 Plastic Red 114017 16 & 12 Plastic White 114018 Plastic White 114019 Rubber Red 0413-214-1205 12 Plastic Yellow



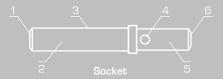


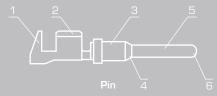
## Contact Performance Specifications

		12		20	
		14		22	
				24	
10		18	0.82		

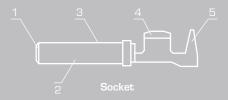
















- Wide range of crimping tools to suit both Solid and Stamped & Formed contacts.
- Tight, complete crimp with minimal effort.
- HDT-48-00 crimps a wide range of contact sizes with no need to change out dies or locators.
- Ratcheting tools will not release contact until a full crimp is completed.



## Crimping Tools – Stamped & Formed (F-Crimp) Contacts

Part No. Description Crimp Range **DTT-16-00** Ratcheting. 1 indent crimper "U" crimp 16, 14 AWG

**HT-4220** Double hinged. 1 indent crimper "U" crimp 24–22, 24–20, 20–18, 18–14, 16–14 AWG

HT-4560 Ratcheting. 1 indent crimper "U" crimp 0.5–1, 1.5–2.5, 4–6mm²

D7000 Ratcheting crimp tool set with 6 removable dies. 1 indent crimper "U" crimp







1 Indent "U" Crimp



2 Indent Crimp



4 Indent Crimp



DET12, DET16, DET20

D2681







## Crimping Tools – Solid Contacts

Part No.	Description	Contact Size (TE DEUTSCH)	Crimp Style
DET48	Two handed	8, 4	2 indent
HDT-04-08	Two handed	8, 4	2 indent
<b>DET</b> 12*	Ratcheting	12	4 indent
<b>DET</b> 16*	Ratcheting	16	4 indent
<b>DET</b> 20*	Ratcheting	20	4 indent
D2681	Ratcheting	20, 16, 12	2 indent
<b>D26</b> 82	Ratcheting	20, 16, 12	2 indent
HDT-50-00	Ratcheting	20, 16, 12	1 indent
HDT-48-00	Ratcheting	20, 16, 12	4 indent

<sup>\*</sup> Not made in North America.



## Crimping with the DET12, DET16 & DET20

#### Sten :

- Ensure tool is reset by
- 2. Strip insulation from wire.
- 3. Insert contact into the appropriate size tool barrel up.



#### Step 2

Depress handles until contact is held but not crimped.



#### Step 3

Place the stripped end of the wire in the crimp barrel, ensuring there are no stray wire strands, and fully depress tool handles.



## Crimping with the HDT-48-00

#### Step <sup>•</sup>

- 1. Strip insulation from wire
- Raise selector knob and rotate until arrow is aligned with contact size to be crimped
- Loosen locknut, turn adjusting screw in until it stops.

#### Step 2

- Insert contact with barrel up
- Iurn adjusting screw counter clockwise until contact is flush with indenter cover. Tighten locknut

#### Step 3

- Insert wire into contact, ensuring there are no strav wire strands.
- Contact must be centred between indenters. Close handles until crimp cycle is completed.
- Release handles and remove crimped contact.









## Crimping with the HDT-50-00

#### Step

- Ensure tool is reset by completely depressing handles
- 2. Strip insulation from wire
- 3. Position the contact into the matching sized grove, see markings 20, 18, 12.



#### Step 2

- Make sure the shoulder of the contact is flush on the outside of the crimping tool.
- Depress handles until contac is held but not crimped.



#### Step 3

Place the stripped end of the wire in the crimp barrel, ensuring there are no stray wire strands, and fully depress tool handles.



### Also available on request

## Ocean Series Applicators

- 3 feed options: Mechanical, Pneumatic, and Servo.
- Pre-feed and post-feed cams
- Cut and no-cut carrier options
- Adjustable terminal stripper.
- Adjustable spring-loaded terminal hold down
- Mechanical counter
- Fine adjust tool-less crimp height mechanisms.
- Robust reliable construction
- Same feed units can be used on Side-Feed and End-Feed style applicators.
   All units can be easily removed and interchanged for upgrades if desired.



## AMP 5K/40 Terminators

- 5000lb (2268kg) max. crimp force
- Tool-less removal of applicators and guards for quick and simple maintenance and product change over.
- Jog capability
- Quiet and fast operation: 80/76 dBa and cycle time less than 0.400 seconds.
- Accepts heavy-duty mini style applicators.
- Wide range of optional equipment such as tool-less precision crimp height adjust batch counter, CQM capability and work light
- Universal electrical input: 100-240 VAC, 50/60 Hz
- Cannot be operated during norma production with guards open.
- Produced under an ISO 9001 Certified Quality System.

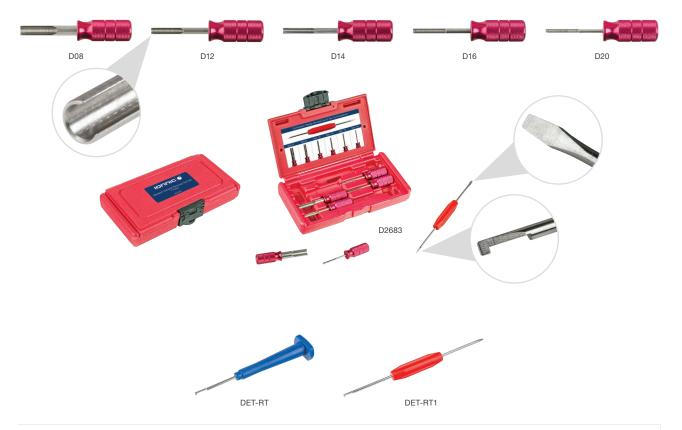


For further information ask your local reseller or enquire online at ionnic.com





- Removes contact from connector without damage to the wire, insulation, connector seals, or connector body.
- Removal tools are required for wire removal in the DTHD, HD10, HDP20, HD30 and DRC series.
- Simplifies contact removal and field service repair.
- Usable with all connectors that utilise a round shoulder contact retention system.
- Compact and easy to use.



## Heavy-duty Removal Tools & Muti-use Tools

 Size 8
 Size 12
 Size 14
 Size 16
 Size 20

 D08
 D12
 D14
 D16
 D20

D2683 Complete removal tool set including multi-use hook tool & flat-head screw driver. Removal tool for sizes 4, 8, 12, 14, 16, 20

**DET-RT** Multi-use hook tool

**DET-RT1** Multi-use hook tool & flat-head screw driver



Removal Tool	S			
Part No.	Contact Size	Wire Gauge Size (AWG)	Colour	Notes
114009	4	6	White	
114008	8	10, 8	Green	
0411-353-0805	8	10, 8	Green	Extended
114010	12	12	Yellow	
0411-337-1205	12	14, 12	Orange	Extra Thin Wall (E-Seal)
0411-291-1405	14	16, 14	Green	
0411-310-1605	16	18, 16	Light Blue	Reduced wire seal
0411-336-1605	16	18, 16	Blue	Extra Thin Wall (E-Seal)
0411-204-1605	16	18, 16	Dark Blue	
0411-240-2005	20	24, 20	Red	





