Deutsch HD30 Series

A heavy duty, environmentally sealed, multi-pin circular connector, featuring quick connect-disconnect bayonet coupling, single hole bulkhead mounting, silicone seals, with a rear insertion/rear removal contact system.

The Deutsch HD30 Series connector was developed to meet the needs of the heavy duty equipment and transportation industries for rugged, multi-pin, sealed connector systems.

Deutsch HDP20 Series

Designed specifically for the truck, bus and off-highway industry, the HDP20 Series is a heavy duty rated, environmentally sealed, composite shell, multi-pin connector. The plug features a quick connect-disconnect bayonet style coupling and the receptacle is designed for single hole mounting. Thus reducing assembly line time and installation costs.

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Electrical Connectors: Critical to System Reliability and Maintainability

Recent studies indicate that electrical system failures are a common and constant source of equipment malfunction. A major area of electrical system failure is in electrical interconnections. Typical problems include loose and miswired terminals, corrosion, and contamination of terminals. Coupled with these problems, the impact of sophisticated safety devices, automated check-out systems, and other increased use of electronics, call for a re-examination of traditional termination techniques. To the operator, termination failures mean excessive down time and maintenance costs. This adds up to slipped production schedules, cost over-runs and user problems. The end result: decreased profits and a loss of share of the market. In today’s competitive arena, improved termination techniques. To the operator, termination failures mean excessive down time and maintenance costs. This adds up to slipped production schedules, cost over-runs and user problems. The end result: decreased profits and a loss of share of the market. In today’s competitive arena, improved termination techniques.

The Deutsch HD/HDP Series was developed to provide a solution to today’s system problems found in the heavy duty trucking, equipment and transportation industries. The HD/HDP Series is a cylindrical, multi-pin, sealed device utilizing crimp type contacts that are quickly and easily inserted or removed. Use of the HD/HDP Series eliminates several other common connector problems.

Problems associated with assembly and network time, operational breakdowns requiring costly repairs and lengthy out of service time in the field have all been reduced and/or eliminated by the judicious application of the HD/HDP Series.

Deutsch HD/HDP Series provide the widest selection of interconnections for critical circuits requiring heavy-duty environmental terminations. Together, the HD and HDP offer common layouts, common tooling, the same adaptability to backshells and both meet the performance standards for heavy duty applications. So whether you are looking for rugged HD metal shells or cost effective HDP plastic shells, Deutsch offers the best product for your applications while holding the line on hidden inventory and assembly costs.

The HD/HDP Series
Decreases Costs and UP-Grades Performance

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Some of the benefits of the Deutsch HD/HDP Series include:

- Quick, fool-proof assembly, decreasing time on the assembly line and eliminating miswiring.
- Simple and easy to rework, decreasing down time and increasing profits to the operator.
- Sealed against moisture and contaminants, eliminating open wiring system.
- Operation under severe shock and vibration, reducing break down and out of commission loss due to rugged operating conditions.
- Performance over a wide temperature range (-55°C to +125°C) meaning continuous operation in all environments, from arctic to desert conditions.
- Human factors engineered to assure that assembly and rework can be reliably handled by unskilled personnel.

Sealed Against Moisture and Contaminants

Unlike terminal strips, binding posts and other open-wiring systems, the Deutsch HD/HDP Series is a completely sealed unit. The rear of the connector features an integral grommet wire seal that automatically seals each contact as it is locked into place during installation. There is no extra hardware to fasten or tighten or potting operation to achieve this seal.

Fabricated from tear resistant, high temperature silicone, this rear grommet protects the contact from moisture, sand, dust, lubricating oils, road salt, hydraulic fluid, grease, mud and other contaminants encountered in heavy duty use. The elimination of open-wiring systems does away with such common hazards as short circuits due to metallic objects across the terminals. This is especially important during loading or refueling operation when a spark could cause a serious explosion. Closed wiring also protects maintenance personnel against accidental shock, yet can be easily checked for circuit continuity.

Contact Retention Decreases Installation Costs and Increases Reliability

The HD/HDP Series uses crimp type, solid copper alloy contacts for damage proof performance and stamped & formed copper alloy contacts for cost effectiveness. Each style has the ability to carry continuous high operating current loads without overheating. The contacts or terminals are crimp terminated using automatic tooling for production and inexpensive readily available hand tools for field maintenance. After crimping, these contacts are easily installed by simply pushing the contact into place by hand. Contacts are positively secured by use of “fingers” in the connector which lock behind the shoulder of the contact, preventing accidental dislodging. Although securely locked in place, these contacts can be quickly and easily removed by the use of an inexpensive, non-conductive removal tool.

Corrosion Proof Plastic Shell HDP20 Series Provide a Cost Effective Alternative

Deutsch plastic shell HDP20 Series provide cost effectiveness with heavy duty terminations for the truck, bus & off-highway industries. Other features include: silicone wire and interfacial seals, visual indication of lock and mated position. Corrosion proof plastic shells and use of low cost stamped and formed contacts provides a cost effective solution for your application.

The HDP20 uses a bayonet coupling system to provide a vibration resistant locking mechanism. This shell provides a multiple keying system that positively prevents mismating and makes plug and receptacle coupling quick and easy. Receptacles mount with a single hole using a “flat” to prevent the connector from rotating.

Rugged Metal Shell HD30 Series Withstands Years of Abuse

Deutsch HD30 Series features a lightweight, yet compact and rugged metal shell to protect contacts and sealing grommets. This shell provides a multiple keying system that positively prevents mismating and makes plug and receptacle coupling quick and easy.

The HD30 Series uses a bayonet coupling system that provides a positive vibration resistant locking mechanism with visual indication of proper mate and lock. This quick disconnect system requires only a quarter turn to operate.

Easy installation to structure is provided by a single one-hole mounting system using a “flat” to prevent the connector from rotating during assembly or service.

Electrical Connectors:

4 5 4 5
HD/HDP Series Connector Features

Deutsch HD/HDP Series environmental connectors offer the advantages of decreased costs and upgraded performance. Designed to withstand years of abuse, the Deutsch HD/HDP Series is setting the pace in the Heavy Equipment Industry. Key features common to the HD/HDP Series are itemized below.

I. Contacts
A. Solid copper alloy construction withstands continuous current overload without degradation.
B. Range of contact and acceptable wire sizes
   1. Size #4 AWG 6 (13.0 mm²)
   2. Size #8 AWG 8 & 10 (8.0 – 5.0 mm²)
   3. Size #12 AWG 12 & 14 (4.0 – 2.0 mm²)
   4. Size #16 AWG 14 & 20 (0.5 – 2.0 mm²)
   5. Size #20 AWG 16 & 22 (0.25 – 1.5 mm²)
C. Closed entry socket contact design assures positive conductivity and eliminates probe damage.
D. Simplified pin contact design limits possibility of bending.

II. Inserts
A. The hard plastic insert and closed contact interface captivate the contacts to prevent “float” and “spay”.
B. Positive contact retention is provided through the use of plastic locking fingers which snap closed behind the shoulder of the contact.
C. Interfaces
   1. Lead-ins on socket interface properly align bent pins.
   2. Hard plastic prevents pins from penetrating dielectric material.
D. Available in several insert arrangements*.
   1. Five in shell size 18 (HD30 or HDP20).
   2. Fourteen in shell size 24 (HD30 or HDP20).
   *See Page 9

III. Shell
A. Rugged, all metal shell to withstand years of abuse (HD30) Corrosion resistant all plastic shell (HDP20)
B. Range of contact and acceptable wire sizes
   1. Size #4 AWG 6 (13.0 mm²)
   2. Size #8 AWG 8 & 10 (8.0 – 5.0 mm²)
   3. Size #12 AWG 12 & 14 (4.0 – 2.0 mm²)
   4. Size #16 AWG 14 & 20 (0.5 – 2.0 mm²)
   5. Size #20 AWG 16 & 22 (0.25 – 1.5 mm²)
C. Closed entry socket contact design assures positive conductivity and eliminates probe damage.
D. Simplified pin contact design limits possibility of bending.

IV. Application Tooling
A. Standard crimp tool or semi-automated, high-speed crimping tool is available.
   1. Fast, reliable, uniform results.
   2. Simplified procedures mean that only average skill is required for assembly.
   3. No soldering heat means:
      a. No chance of heat damage to parts.
      b. No warping to contribute to vibration failure.
   B. Inexpensive plastic removal tool designed to eliminate hidden internal insert damage.
   C. Removal tool designed to break rather than injure connector.
   D. Dielectric tool construction prevents shocks to personnel.

Material Specifications

<table>
<thead>
<tr>
<th>HD30 Plug</th>
<th>HD30 Receptacle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shell: Aluminum</td>
<td>Shell: Aluminum</td>
</tr>
<tr>
<td>Coupling Ring: Aluminum</td>
<td>Insert Retainer: Thermoplastic</td>
</tr>
<tr>
<td>Grommet: Silicone rubber</td>
<td>Grommet: Silicone rubber</td>
</tr>
</tbody>
</table>

|--------------------------------------|

**Solid Contacts**
- Pin: Copper Alloy
- Socket: Copper Alloy
- Finish: Nickel plating

**Stamped & Formed Contact**
- Pin: Copper Alloy
- Socket: Copper Alloy
- Finish: Nickel plating

**Sealing Plugs**
- Thermoplastic Size 20 thru 8
- Elastomer Size 4

**Performance Specifications**
- Temperature: Operating at temperatures from -55°C to +125°C Continuous at rated current

**Durability**
- No electrical or mechanical defects after 100 cycles of engagement or disengagement.

**Physical Shock**
- No unlocking uncramped or other unsatisfactory result during or after 50 g’s in each of three mutually perpendicular planes.

**Insulation Resistance**
- 1000 megohms min. at 25°C.

**Dielectric Withstanding Voltage**
- Current leakage less than 2 milliamps at 1500 VAC.

**Dielectric Withstanding Voltage**
- Dielectric withstanding voltage specified for use in the HDP20 Series. Consult factory for other specifications.

**Corrosion Resistance**
- Connectors show no damage when exposed to most corrosive environments.
- PVC wire seals used in industrial applications.

**Moisture Resistance**
- Water does not penetrate seals when submerged in 3 feet of water.

**Vibration**
- Maintains continuity and exhibits no mechanical or physical damage during or while subject to a sinusoidal vibration, having an amplitude of .060 inches double amplitude and the frequency varied linearly between limits of 10 to 2000 Hz with a maximum force of 20g.
- No electrical discontinuities longer than 1 microsecond.

**Contact Resistance**
- CONTACT RESISTANCE

<table>
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<tr>
<th>CONTACT RESISTANCE</th>
<th>MATERIAL</th>
<th>HIGH GAUGE</th>
<th>LOW GAUGE</th>
<th>TEST CURRENT</th>
<th>WITHdrawable</th>
<th>Resistance (mΩ)</th>
<th>Resistance (Ω)</th>
<th>Resistance (Ω)</th>
<th>Stamp &amp; Formed</th>
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<tbody>
<tr>
<td>20</td>
<td>20 (50)</td>
<td>7.5</td>
<td>60</td>
<td>100</td>
<td>18 (80)</td>
<td>16 (10)</td>
<td>14 (2.0)</td>
<td>12 (4.0)</td>
<td>8 (6.0)</td>
</tr>
<tr>
<td>18</td>
<td>18</td>
<td>7.5</td>
<td>60</td>
<td>100</td>
<td>16 (10)</td>
<td>14 (2.0)</td>
<td>12 (4.0)</td>
<td>8 (6.0)</td>
<td>4 (6.31)</td>
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<tr>
<td>16</td>
<td>16</td>
<td>7.5</td>
<td>60</td>
<td>100</td>
<td>14 (2.0)</td>
<td>12 (4.0)</td>
<td>8 (6.0)</td>
<td>4 (6.31)</td>
<td>60</td>
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<tr>
<td>12</td>
<td>12</td>
<td>7.5</td>
<td>60</td>
<td>100</td>
<td>8 (6.0)</td>
<td>10 (6.0)</td>
<td>10 (6.0)</td>
<td>4 (6.31)</td>
<td>60</td>
</tr>
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<td>8</td>
<td>8</td>
<td>7.5</td>
<td>60</td>
<td>100</td>
<td>6 (6.0)</td>
<td>10 (6.0)</td>
<td>10 (6.0)</td>
<td>4 (6.31)</td>
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<td>10 (6.0)</td>
<td>10 (6.0)</td>
<td>4 (6.31)</td>
<td>60</td>
</tr>
</tbody>
</table>
### HD30 & HDP20 Series Technical Manual

**PART NUMBERING SYSTEM**

**HD X 36 - 24-21 SN - XXX**

Designates Deutsch Heavy Duty Cylindrical Connector
8 = Breakaway plug option
N = Non-environmental option

Special Modifications
-072 = Threaded adapter
-059 = Cable clamp/adapter

Wire Seal Options
N = Normal position and wire seals (Green Ring)
T = Thin wall wire seals option (Grey Ring)
E = Extra thin wall seal (Blue Ring)

Contact Style
P = Pin (Male) type
S = Socket (Female) type

Shell size and insert layout

(Consult factory for options and special modifications available.)

**PART NUMBERING SYSTEM**

**HDP 26 - 24-21 SN - XXXX**

Designates Deutsch Heavy Duty Plastic Connector
2 = Standard Commercial - Bulk packed without contacts or accessories

Type
3 = Standard Commercial - Bulk packed without contacts or accessories
4 = KZ - Individually packaged with contacts, sealing plugs, mounting hardware and removal tool

Style
4 = Receptacle - Jam nut type mounting
6 = Plug

Deutsch HD30 Series contacts, sealing plugs and tooling are specified for use in the HDP20 Series. Consult factory for additional options and special modifications available.

### HD30 & HDP20 Series Insert Arrangements

All insert arrangements show socket rear insert.

#### HD30 & HDP20 Series Insert Arrangements

<table>
<thead>
<tr>
<th>Insert Arrangement</th>
<th>HD30 &amp; HDP20 Series Insert Arrangements</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-6</td>
<td>2 size 4, 4 size 16**</td>
</tr>
<tr>
<td>18-8</td>
<td>8 size 12</td>
</tr>
<tr>
<td>18-14</td>
<td>14 size 16</td>
</tr>
<tr>
<td>18-20</td>
<td>2 size 16 &amp; 18 size 20</td>
</tr>
<tr>
<td>18-21</td>
<td>21 size 20 N</td>
</tr>
<tr>
<td>24-9</td>
<td>1 size 4, 2 size 8 &amp; 6 size 12**</td>
</tr>
<tr>
<td>24-14</td>
<td>1 size 4, 1 size 12 &amp; 12 size 16</td>
</tr>
<tr>
<td>24-16</td>
<td>16 size 12 N</td>
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<td>24-18</td>
<td>1 size 8, 3 size 12 &amp; 14 size 16</td>
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<td>24-19</td>
<td>6 size 12 &amp; 13 size 16</td>
</tr>
<tr>
<td>24-21</td>
<td>4 size 12 &amp; 17 size 16</td>
</tr>
<tr>
<td>24-23</td>
<td>23 size 16 N,T,E</td>
</tr>
<tr>
<td>24-29</td>
<td>4 size 12, 19 size 16 &amp; 6 size 20 N,E</td>
</tr>
<tr>
<td>24-31</td>
<td>31 size 16 T,E</td>
</tr>
<tr>
<td>24-33</td>
<td>33 size 20 N</td>
</tr>
<tr>
<td>24-34</td>
<td>12 size 12 &amp; 22 size 20 N</td>
</tr>
<tr>
<td>24-35</td>
<td>3 size 16 &amp; 32 size 20 N,E</td>
</tr>
<tr>
<td>24-47</td>
<td>5 size 16 &amp; 42 size 20 E</td>
</tr>
<tr>
<td>24-91</td>
<td>2 size 8, 2 size 12 &amp; 5 size 16 N,E</td>
</tr>
</tbody>
</table>

* Arrangement
** Description
*** Rear Seal
**USBABLE WIRE SIZE**

<table>
<thead>
<tr>
<th>SEAL TYPE</th>
<th>CONTACT SIZE</th>
<th>USABLE WIRE SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-SEAL</td>
<td>#20</td>
<td>#20</td>
</tr>
<tr>
<td>T-SEAL</td>
<td>#16</td>
<td>#16</td>
</tr>
<tr>
<td>E-SEAL</td>
<td>#12</td>
<td>#12</td>
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<td></td>
<td>#8</td>
<td>#8</td>
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<td></td>
<td>#4</td>
<td>#4</td>
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</tbody>
</table>

**Recomended Wire Insulation O.D. For:**

- N-SEAL: Green Ring (1.02-2.41)
- T-SEAL: Grey Ring (0.88-1.35)
- E-SEAL: Blue Ring (0.63-1.35)

**INSERT 24-91**

**CONNECTOR IDENTIFICATION**

- **Color Code Ring**: Color code is visible from the rear of the receptacle or plug.
- **Green**: Normal Seal
- **Grey**: Thin Wall Seal
- **Blue**: Extra Thin Seal

**CAUTION**: Undersize wire insulation is a major cause for leakage. Shrink tubing SHOULD NOT BE USED.

**Connector Identification**

- **Color Coded Ring**
  - Green: Normal Seal
  - Grey: Thin Wall Seal
  - Blue: Extra Thin Seal

**MATING SLOT POSITIONS**

**ENVELOPE DRAWINGS FOR HD/HDP SERIES**

**MAIN POLARIZING KEY**

**Series Plug**

<table>
<thead>
<tr>
<th>SHELL SIZE</th>
<th>A DIA ±.010</th>
<th>B DIA ±.010</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>1.692 (42.98)</td>
<td>1.220 (30.99 ±0.25)</td>
</tr>
<tr>
<td>24</td>
<td>1.942 (49.33)</td>
<td>1.470 (37.34 ±0.25)</td>
</tr>
</tbody>
</table>

**Panel Nut**

- **Metal Plastic**
  - Series Plug: 114020-90* 2411-002-1805
  - Panel Nut: 112250-90* 2411-001-2405

**Panel Mounting Torque**

- **HD30 18 SHELL SIZE**: 260-280 IN. LB. (29.4-31.6 N.M.)
- **HDP20 18 SHELL SIZE**: 45-55 IN. LB. (1.1-1.6 N.M.)
- **HD30 24 SHELL SIZE**: 350-375 IN. LB. (39.5-42.6 N.M.)
- **HDP20 24 SHELL SIZE**: 65-75 IN. LB. (7.4-8.4 N.M.)

**Panel Lockwasher**

- **Metal Panel Nuts are used on HD30 only**
- **For use on HDP20**

**CONTACT INSERTION**

- **Grasp contact approximately (25.4 mm) one inch behind the contact of contact to be removed.**

- **Slide tool along into the insert**

- **Pull contact-wire assembly out of connector.**

- **Push contact straight into connector.**

- **CAUTION**: Undersize wire insulation is a major cause for leakage. Shrink tubing SHOULD NOT BE USED.
CAUTION: Undersize wire insulation is a major cause for leakage. Shrink tubing SHOULD NOT BE USED.

**HD30 & HDP20 Series Technical Manual**

**Mating / Unmating Instructions**

To mate the plug and the receptacle, line up the index groove on the plug with the flat surface on the receptacle, turn 1/4 turn clockwise. You will feel and hear the pieces snap into the locked position. To unmate the plug and receptacle, reverse the above procedure.

**Contact Insertion**

1. Grasp contact approximately (25.4 mm) one inch behind the contact crimp barrel.

2. Hold connector with rear grommet facing you.

3. Push contact straight into connector grommet until a positive stop is felt. A slight tug will confirm that it is properly locked in place.

**Contact Removal**

1. With rear insert toward you, snap appropriate size extractor tool over the wire of contact to be removed.

2. Slide tool along into the insert cavity until it engages contact and resistance is felt.

3. Pull contact-wire assembly out of connector.

**Removal Tools**

**Sealing Plugs**

**Normal Wire Seals (N)**

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>SIZE</th>
<th>WIRE RANGE AWG</th>
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<tbody>
<tr>
<td>0411-240-2005</td>
<td>20</td>
<td>20-22</td>
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<tr>
<td>0411-204-1605</td>
<td>16</td>
<td>14-20</td>
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<tr>
<td>114010</td>
<td>12</td>
<td>12-14</td>
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<tr>
<td>114008</td>
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<td>8-10</td>
</tr>
<tr>
<td>114009</td>
<td>4</td>
<td>6</td>
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**Extra Thin Wall Wire Seals (E)**

<table>
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<tbody>
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**Thin Wall Wire Seals (T)**

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**ASSEMBLY INSTRUCTIONS**

**Contact Insertion**

**Contact Removal**

**Removal Tools**

**Sealing Plugs**

**Normal Wire Seals (N)**

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**Thin Wall Wire Seals (T)**

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**Sealing Plugs**

**Normal Wire Seals (N)**

<table>
<thead>
<tr>
<th>CONTACT SIZE</th>
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<tbody>
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**Extra Thin Wall Wire Seals (E)**

<table>
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<tr>
<th>CONTACT SIZE</th>
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<tr>
<td>20</td>
<td>0413-204-2005</td>
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<tr>
<td>12-16</td>
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</tr>
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<td>114018</td>
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**Thin Wall Wire Seals (T)**

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<th>CONTACT SIZE</th>
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<td>12-16</td>
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<td>8</td>
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CONTACTS AND APPLICATION DATA

Solid Contacts

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SOLID CONTACT PART NUMBERS</th>
<th>WIRE SIZE AVM (mm²)</th>
<th>RECOMMENDED STRIP LENGTH INCHES (mm)</th>
<th>MIN CONTACT RETENTION LBS (N)</th>
<th>REF CRIMP TENSION LBS (N)</th>
<th>MAX RATED AMPS AT 125°C CONTINUOUS</th>
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<tbody>
<tr>
<td>20</td>
<td>0460-202-20**</td>
<td>16.20 (1.0 - 0.50)</td>
<td>17.18 (4.33 - 4.40)</td>
<td>25 (111)</td>
<td>70 (311)</td>
<td>13</td>
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<tr>
<td>16</td>
<td>0462-201-16**</td>
<td>14.00 (1.0 - 0.50)</td>
<td>17.18 (4.33 - 4.40)</td>
<td>25 (111)</td>
<td>70 (311)</td>
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<td>8.80 (0.6 - 0.50)</td>
<td>17.18 (4.33 - 4.40)</td>
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<td>8</td>
<td>0460-202-08**</td>
<td>5.60 (0.3 - 0.50)</td>
<td>10.92 (2.77 - 2.50)</td>
<td>20 (90)</td>
<td>30 (137)</td>
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<td>6</td>
<td>0460-202-04**</td>
<td>3.40 (0.2 - 0.50)</td>
<td>10.92 (2.77 - 2.50)</td>
<td>20 (90)</td>
<td>30 (137)</td>
<td>25</td>
</tr>
</tbody>
</table>

* See Envelope Print 0425-205-0000. Consult factory for alternate finishes.

** For proper dies and stamped & formed crimp dimensions - See Envelope 0425-208-0000 12 Size
0425-203-0000 16 Size
0425-207-0000 20 Size
0425-059-0000 16,20 Size
0425-039-0000 16 Size
0425-041-0000 12 Size

Socket

INURATION HOLE

Pin

INURATION HOLE

Stamped and Formed Contacts

<table>
<thead>
<tr>
<th>PART NUMBERS</th>
<th>WIRE SIZE AVM (mm²)</th>
<th>RECOMMENDED STRIP LENGTH INCHES (mm)</th>
<th>MIN CONTACT RETENTION LBS (N)</th>
<th>REF CRIMP TENSION LBS (N)</th>
<th>MAX RATED AMPS AT 125°C CONTINUOUS</th>
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</thead>
<tbody>
<tr>
<td>1060-20-01**</td>
<td>16.20 (1.0 - 0.50)</td>
<td>17.18 (4.33 - 4.40)</td>
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<td>70 (311)</td>
<td>13</td>
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<tr>
<td>1062-20-02**</td>
<td>14.00 (1.0 - 0.50)</td>
<td>17.18 (4.33 - 4.40)</td>
<td>25 (111)</td>
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<tr>
<td>1060-20-03**</td>
<td>8.80 (0.6 - 0.50)</td>
<td>10.92 (2.77 - 2.50)</td>
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<td>1060-20-04**</td>
<td>5.60 (0.3 - 0.50)</td>
<td>10.92 (2.77 - 2.50)</td>
<td>20 (90)</td>
<td>30 (137)</td>
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<tr>
<td>1060-20-05**</td>
<td>3.40 (0.2 - 0.50)</td>
<td>10.92 (2.77 - 2.50)</td>
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0425-207-0000 20 Size
0425-059-0000 16,20 Size
0425-039-0000 16 Size
0425-041-0000 12 Size

Socket

INURATION HOLE

Pin

INURATION HOLE


HD/HDP ACCESSORIES

HDP

Connector P/N

*HDP2*-24-****-L015

Available in plugs and receptacles

Connecting hardware available through distribution

2428-008-2405

Straight Backshell P/N

*HDP2*-24-****-L017

Available in plugs and receptacles

2428-004-2405

HD - HD30 Series Only Breakaway Plug

Designed to interconnect with the HD30 Series receptacles and provide an emergency disconnect between farm tractors and implements requiring power connections. HSB - Breakaway Plugs can be specified with pin or socket contacts and cable clamps (059 model). Minimum force required to emergency disconnect is 50 lbs. Maximum force required is 100 lbs. Mute with HD30 Series Only

Protective Caps

Plug cap for receptacle protection (Aluminum)

Protective Caps

Receptacle cap for plug protection (Aluminum)

HIGH STRAIN RELIEF (Aluminum)

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