

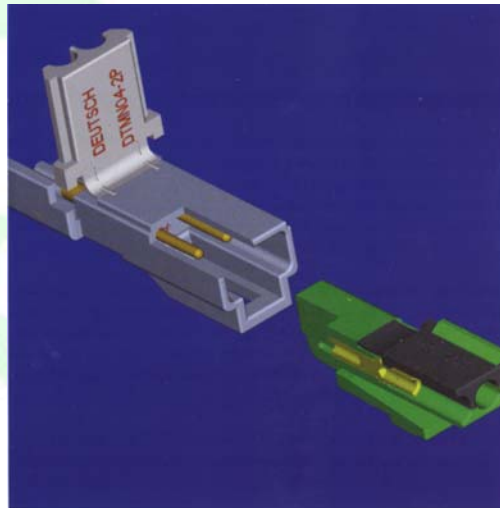
DEUTSCH

Industrial Products Division

Deutsch Industrial Products Division has a wealth of experience in the design and manufacture of heavy duty environmentally sealed electrical connectors. We have taken this knowledge and have designed a two pin *non-environmental* connector to satisfy those applications where the cost to use a sealed connector cannot be justified.

In addition to the DTMN, we have designed a socket contact which incorporates the protective hood for the fingers as part of the contact itself. This design feature reduces cost while ensuring the overall integrity of the electrical connection. Plating options include our standard nickel and gold for your low voltage applications.

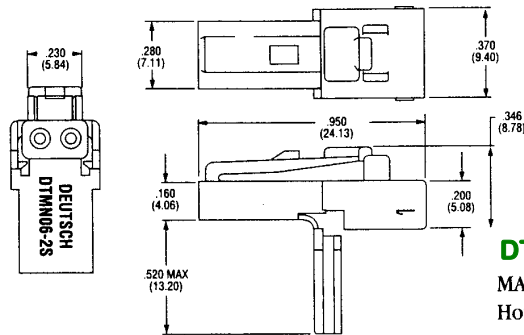
The DTMN and new contact offer typical Deutsch quality in a cost effective package. It allows the designer the opportunity to design in Deutsch across the range of applications, both sealed and unsealed.



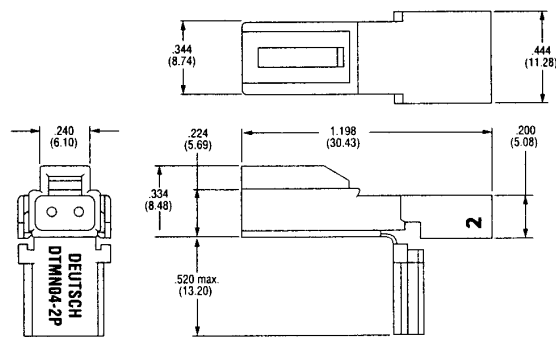
**DTMN 2-PIN
NON-ENVIRONMENTAL CONNECTOR**

Product Data Sheet

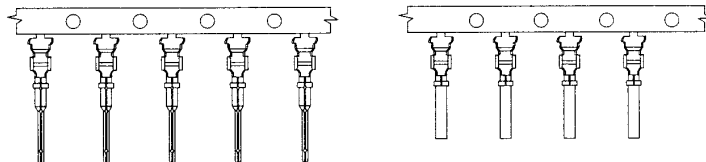
PLUG



RECEPTACLE



CONTACT DATA New Sleeveless S&F AWG 20



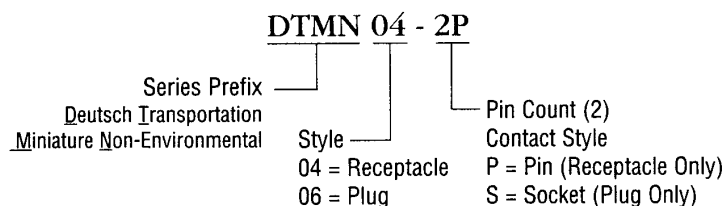
STAMPED AND FORMED CONTACT PART NUMBER	TYPE	CONDUCTOR RANGE:	INSULATION RANGE:
1060-20-0122	PIN	AWG 16 - 20	0.075" - 0.125"
1060-20-0222	PIN	AWG 16 - 20	0.050" - 0.085"
1062-20-0122	SOCKET	AWG 16 - 20	0.075" - 0.125"
1062-20-0222	SOCKET	AWG 16 - 20	0.050" - 0.085"
1062-20-0322	SLEEVELESS SOCKET	AWG 16 - 20	0.075" - 0.125"

HAND CRIMP TOOL: DTT-20-00

PRODUCTION CRIMP TOOL: DCT-20-00

The DTMN will also accept the solid HD30 contacts.

DTMN PART NUMBERING SYSTEM



PERFORMANCE SPECIFICATIONS

DIELECTRIC WITHSTANDING VOLTAGE

Current leakage less than 2 milliamps at 1500 VAC

CONTACT CURRENT RATING

#20 Size Contact rated at 7.5 amps continuous at 125° C

CONTACT MILLIVOLT DROP

Using a test current of 7.5 amp and AWG 20 gauge wire, the millivolt drop is 60 and 100 for solid and S&F contacts respectively.

CRIMP TENSILE STRENGTH

#20 Size Contacts - > 100 IDS

CONTACT RETENTION

15 lbs minimum

USABLE WIRE SIZE

#20 Size Solid Contacts - AWG 20 to AWG 24 (0.5 mm² to 0.2 mm²)

#20 Size S&F Contact - AWG 16 to AWG 20 (1.0 mm² to 0.5 mm²)

TEMPERATURE

Operating at temperatures from -55° C to + 125° C

@ rated Current

VIBRATION

Maintains continuity and exhibits no mechanical or physical damage during or while subjected to a sinusoidal vibration, having an amplitude of 0.060 inch D.A. and the frequency varied linearly between limits of 10 to 2000 to 10 Hz with a maximum force of 20 g's in a period of 1.0 minute. No electrical discontinuities longer than 1 microsecond.

INSULATION RESISTANCE

1000 megohms minimum at 25° C

DURABILITY

No electrical or mechanical defects after 100 cycles of engagement / disengagement.

For Regional Information Contact ...



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