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Архангельск (8182)63-90-72	Иркутск (395)279-98-46	Мурманск (8152)59-64-93	Рязань (4912)46-61-64	Томск (3822)98-41-53
Астрахань (8512)99-46-04	Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Самара (846)206-03-16	Тула (4872)33-79-87
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Белгород (4722)40-23-64	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Санкт-Петербург (812)309-46-40	Ульяновск (8422)24-23-59
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Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Ставрополь (8652)20-65-13	Череповец (8202)49-02-64
Вологда (8172)26-41-59	Курск (4712)77-13-04	Петрозаводск (8142)55-98-37	Сургут (3462)77-98-35	Чита (3022)38-34-83
Воронеж (473)204-51-73	Курган (3522)50-90-47	Псков (8112)59-10-37	Сыктывкар (8212)25-95-17	Якутск (4112)23-90-97
Екатеринбург (343)384-55-89	Липецк (4742)52-20-81		Тамбов (4752)50-40-97	Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

www.ap tiv.nt-rt.ru | | avi@nt-rt.ru

**Технические характеристики на
автомобильные разъемы круглые
влагозащищенные HES,
автомобильные разъемы Metri-Pack,
Micro-Pack уплотнения, заглушки
КОМПАНИИ **ARTIV PLC****

HES CIRCULAR SERIES



BENEFITS

- Interchangeable industry mating interface
- Superior environmental protection
- Designed to outperform competition

FEATURES

- 3-rib seal design provides up to 30% higher performance
- Specialized lock finger design to eliminate terminal unseats
- Forward/backward compatibility
- HES terminals provide improved electrical performance
- Validated to SAE J2030

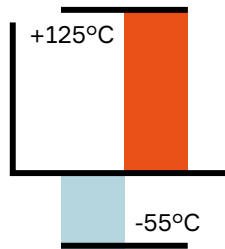


AVAILABLE CONFIGURATIONS

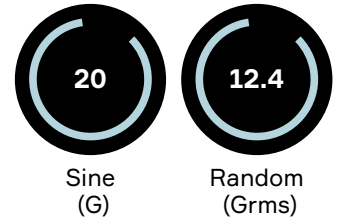
Cavity Count (ways)	19, 21, 23, 29, 31, 47
Cavity Configurations (mm)	1.0, 1.6, 2.4
Materials	PBT, PA66
Genders	Female, Male



TEMPERATURE



VIBRATION



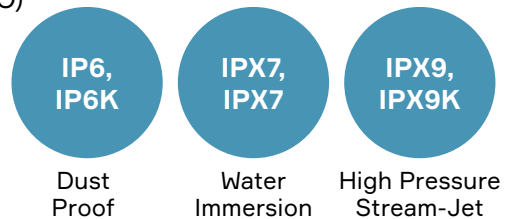
APPLICATIONS

- Cab
- Engine compartment
- Chassis

See back page for representative part numbers.



ENVIRONMENTAL PROTECTION (IEC, ISO)



About Aptiv

Aptiv is a global technology company that develops safer, greener and more connected solutions enabling the future of mobility. Headquartered in Dublin, Aptiv has approximately 150,000 employees and operates 14 technical centers, as well as manufacturing sites and customer support centers in 45 countries.









Cavity count	Blade size (mm)	Gender	Dimensions W x H x D (mm)	Part number	Configuration	Other configurations
19	2.4/1.6	M	47.5 x 50.5 x 45.4	15544333	Thin	Thick, Reverse
19	2.4/1.6	F	49.4 x 49.4 x 42	15544902	Thin	Thick, Reverse
21	2.4/1.6	M	47.5 x 50.5 x 45.4	15544331	Thin	Thick
21	2.4/1.6	F	49.4 x 49.4 x 42	15544899	Thin	Thick
23	1.6	M	47.5 x 50.5 x 45.4	15544329	Thin	Thick
23	1.6	F	49.4 x 49.4 x 42	15544897	Thin	Thick
29	2.4/1.6/1.0	M	47.5 x 50.5 x 45.4	15544327	Thin	Thick
29	2.4/1.6/1.0	F	49.4 x 49.4 x 42	15544895	Thin	Thick
31	1.6	M	47.5 x 50.5 x 45.4	15544326	Thin	Thick, Reverse
31	1.6	F	49.4 x 49.4 x 42	15544894	Thin	Thick, Reverse
47	1.6/1.0	M	47.5 x 50.5 x 45.4	15544324	Thin	-
47	1.6/1.0	F	49.4 x 49.4 x 42	15544892	Thin	-

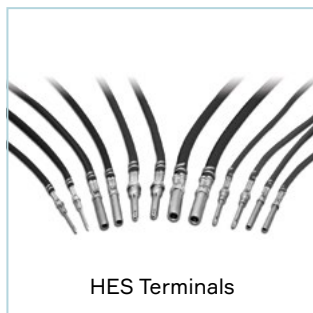
COMPATIBLE ACCESSORIES

Size	Accessory	Part number
19	Back Shell 180°	13767802
19	Back Shell 90°	13767805
22	Back Shell 180°	13767803
22	Back Shell 90°	13767806
25	Back Shell 180°	13667839
25	Back Shell 90°	13667840
16 & 20	Cavity seal plug	13756464
12	Cavity seal plug	13756465

CAVITY CONFIGURATIONS

<p>47 Way</p>  <p>5 size 16, 42 size 20 Thin Wall (Blue Seal)</p>	<p>31 Way</p>  <p>31 size 16 Thin Wall (Blue Seal) Regular and Heavy Wall (Orange Seal)</p>	<p>29 Way</p>  <p>4 size 12 19 size 16 6 size 20 Thin Wall (Blue Seal) Regular and Heavy Wall (Orange Seal)</p>
<p>23 Way</p>  <p>23 size 16 Thin Wall (Blue Seal) Regular and Heavy Wall (Orange Seal)</p>	<p>21 Way</p>  <p>4 size 12 17 size 16 Thin Wall (Blue Seal) Regular and Heavy Wall (Orange Seal)</p>	<p>19 Way</p>  <p>6 size 12 13 size 16 Thin Wall (Blue Seal) Regular and Heavy Wall (Orange Seal)</p>

COMPATIBLE WITH



Micro-Pack

Available in electronic header and in-line connections, Micro-Pack Series connector is an excellent low energy system designed to meet the needs of high-density applications.



Product Highlights

FEATURES

- Connector Position Assurance (CPA) & Terminal Position Assurance (TPA)
- High circuit density, Low energy, low voltage capability
- Small overall dimensions

Metri-Pack

Application: Body & Chassis

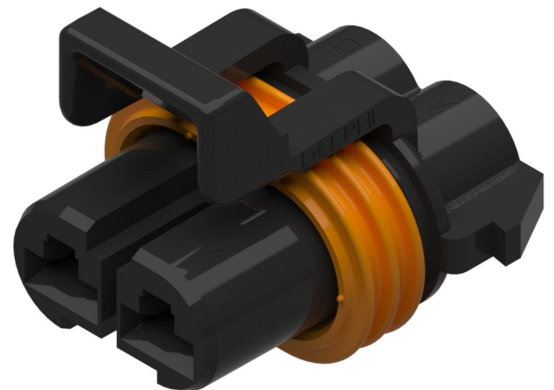
Metri-Pack 800 Series consists of sealed and unsealed device and in-line wire-to-wire connectors. These versatile connectors are suitable for Marine, appliance, and industrial applications. The sealed connectors utilize triple rib peripheral silicone rubber that makes these connectors suitable for harsh environment.



Metri-Pack

Application: Body & Chassis

Metri-Pack 480 Series consists of sealed and unsealed device and in-line wire-to-wire connectors. These versatile connectors are suitable for Marine, appliance, and industrial applications. The sealed connectors utilize triple rib peripheral silicone rubber that makes these connectors suitable for harsh environment.



Metri-Pack 630 Series

Application: Engine Powertrain

Metri-Pack 630 Series consists of sealed and unsealed device and in-line wire-to-wire connectors. These versatile connectors are suitable for Marine, appliance, and industrial applications. The sealed connectors utilize triple rib peripheral silicone rubber that makes these connectors suitable for harsh environment.



Product Highlights

BENEFITS

- Low energy, low voltage capability
- Excellent resistance to temperature, chemicals and abrasion

FEATURES

- Connector Position Assurance (CPA)
- Terminal Position Assurance (TPA)
- 46 Amps continuous maximum current rating
- -40°C to 125°C temperature range



Metri-Pack 280 Series

Application: Body & Chassis

Metri-Pack 280 Series comes with a line of sealed and unsealed device and in-line wire-to-wire connectors. These versatile connectors are suitable for Marine, appliance, and industrial applications. The sealed connectors utilize triple rib peripheral silicone rubber that makes these connectors suitable for harsh environment.

Product Highlights

BENEFITS

- Small overall dimensions
- Low energy, low voltage capability
- Excellent resistance to temperature, chemicals and abrasion
- Standard ISO 2.8mm configuration

FEATURES

Connector Position Assurance (CPA)

Terminal Position Assurance (TPA)

30 Amps continuous maximum current rating

-40°C to 125°C temperature range

Metri-Pack 150 Series

Application: Body & Chassis, Commercial Vehicles (Trucks)

Available in device and in-line connections for vehicle applications, Metri-Pack 150 Series connectors can meet or exceed the requirements for most marine, appliance, and industrial control applications. Ideally suited for critical, low-energy electronic applications for both sealed and unsealed applications



Product Highlights

FEATURES

- Connector Position Assurance (CPA)
- Terminal Position Assurance (TPA)
- 14 Amps continuous maximum current rating
- Low energy, low voltage capability
- Excellent resistance to temperature, chemicals and abrasion
- -40°C to 125°C temperature range

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Ангарск (3955)60-70-56
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Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

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