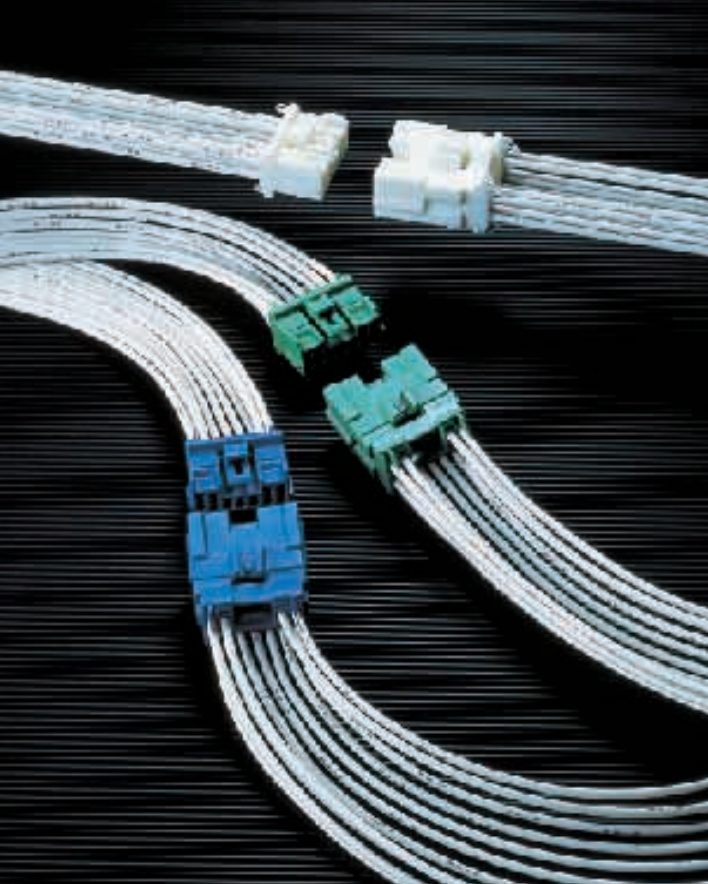


Connectors for Automobiles

DS SERIES

▶ Japanese

▶ English



DSシリーズ

特長

ターミナル固定機構

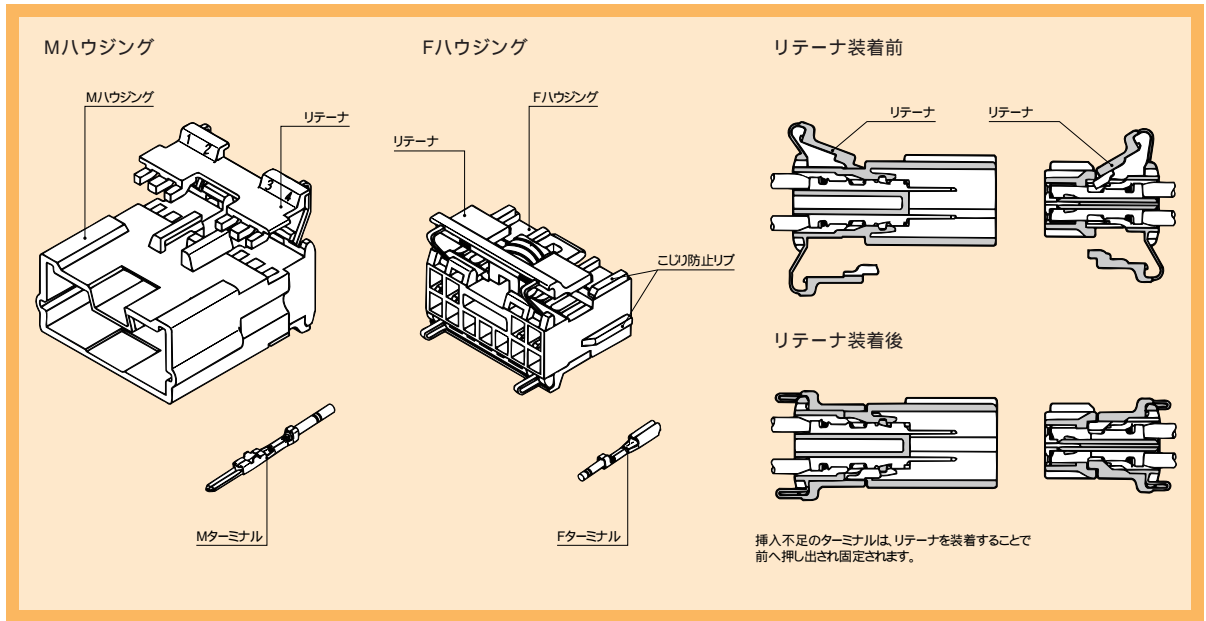
挿入不足のターミナルをリテーナで押込む構造、及び二重係止構造によりターミナル抜けを起きにくくしています。

高密度多極化

各種の制御回路、並びにパワー回路に適するターミナル極間ピッチ4mmのコネクタです。

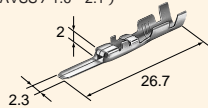
V-01

構造



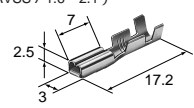
ターミナル (単位: mm)

適用電線サイズ(mm ²)	(AVS / 0.5 ~ 1.25) (AVSS / 0.5 ~ 1.25)
電線仕上り外径(mm)	(AVS / 2.0 ~ 2.5) (AVSS / 1.6 ~ 2.1)
材質	黄銅
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.3



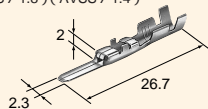
M(8230-4282)

適用電線サイズ(mm ²)	(AVS / 0.5 ~ 1.25) (AVSS / 0.5 ~ 1.25)
電線仕上り外径(mm)	(AVS / 2.0 ~ 2.5) (AVSS / 1.6 ~ 2.1)
材質	黄銅
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.25



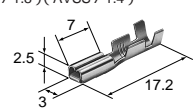
F(8240-4422)

適用電線サイズ(mm ²)	(AVSN / 0.2) (AVS / 0.3) (AVSS / 0.3)
電線仕上り外径(mm)	(AVSN / 1.5) (AVS / 1.8) (AVSS / 1.4)
材質	黄銅
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.3



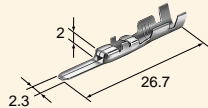
M(8230-4272)

適用電線サイズ(mm ²)	(AVSN / 0.2) (AVS / 0.3) (AVSS / 0.3)
電線仕上り外径(mm)	(AVSN / 1.5) (AVS / 1.8) (AVSS / 1.4)
材質	黄銅
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.25



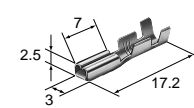
F(8240-4412)

適用電線サイズ(mm ²)	(AVSS / 2)
電線仕上り外径(mm)	(AVSS / 2.6)
材質	黄銅
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.3



M(8230-4392)

適用電線サイズ(mm ²)	(AVSS / 2)
電線仕上り外径(mm)	(AVSS / 2.6)
材質	耐熱銅合金
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.25



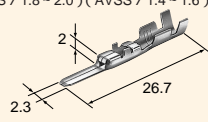
F(8240-4652)

V-02

090

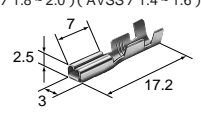
090

適用電線サイズ(mm ²)	(AVSN / 0.2) (AVS / 0.3 ~ 0.5) (AVSS / 0.3 ~ 0.5)
電線仕上り外径(mm)	(AVSN / 1.5) (AVS / 1.8 ~ 2.0) (AVSS / 1.4 ~ 1.6)
材質	黄銅
表面処理	部分Auメッキ
リール(個)	5000
板厚(mm)	0.3



M(8230-4419)

適用電線サイズ(mm ²)	(AVSN / 0.2) (AVS / 0.3 ~ 0.5) (AVSS / 0.3 ~ 0.5)
電線仕上り外径(mm)	(AVSN / 1.5) (AVS / 1.8 ~ 2.0) (AVSS / 1.4 ~ 1.6)
材質	黄銅
表面処理	部分Auメッキ
リール(個)	5000
板厚(mm)	0.25



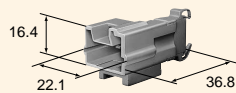
F(8240-4849)

ハウジング (単位: mm)

材質 / P.B.T.
色相 / ご希望により各色用意いたします。
リテーナ / ハウジングに組付られております。

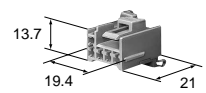
5種

ターミナル参照頁	V-02
色相	自然色



M(6090-5040)

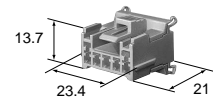
ターミナル参照頁	V-02
色相	自然色



F(6090-5041)

7種

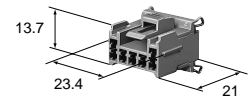
ターミナル参照頁	V-02
色相	自然色



F(6090-5008)

7種(異形)

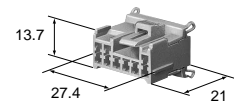
ターミナル参照頁	V-02
色相	灰色



F(6090-5009)

9種

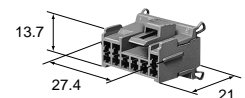
ターミナル参照頁	V-02
色相	自然色



F(6090-5010)

9種(異形)

ターミナル参照頁	V-02
色相	灰色

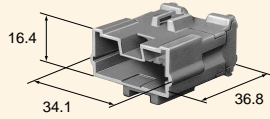


F(6090-5011)

V-03

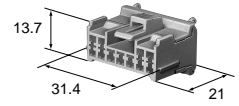
11 極

ターミナル参照頁 V-02
色相 自然色



M(6090-5001)

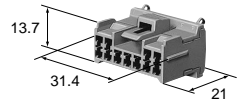
ターミナル参照頁 V-02
色相 自然色



F(6090-5004)

11 極 (異形)

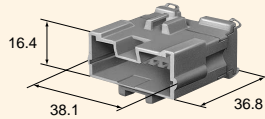
ターミナル参照頁 V-02
色相 灰色



F(6090-5007)

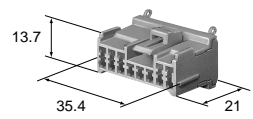
13 極

ターミナル参照頁 V-02
色相 自然色



M(6090-5012)

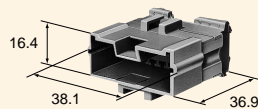
ターミナル参照頁 V-02
色相 自然色



F(6090-5014)

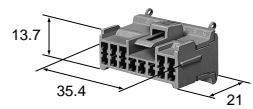
13 極 (異形)

ターミナル参照頁 V-02
色相 灰色



M(6090-5048)

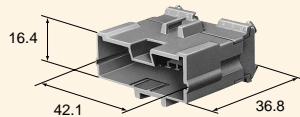
ターミナル参照頁 V-02
色相 灰色



F(6090-5016)

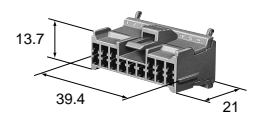
15 極

ターミナル参照頁 V-02
色相 緑色



M(6090-5017)

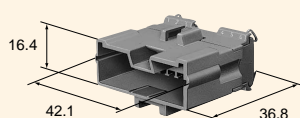
ターミナル参照頁 V-02
色相 緑色



F(6090-5019)

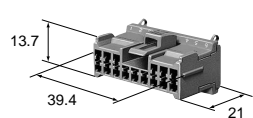
15 極 (異形)

ターミナル参照頁 V-02
色相 灰色



M(6090-5018)

ターミナル参照頁 V-02
色相 灰色

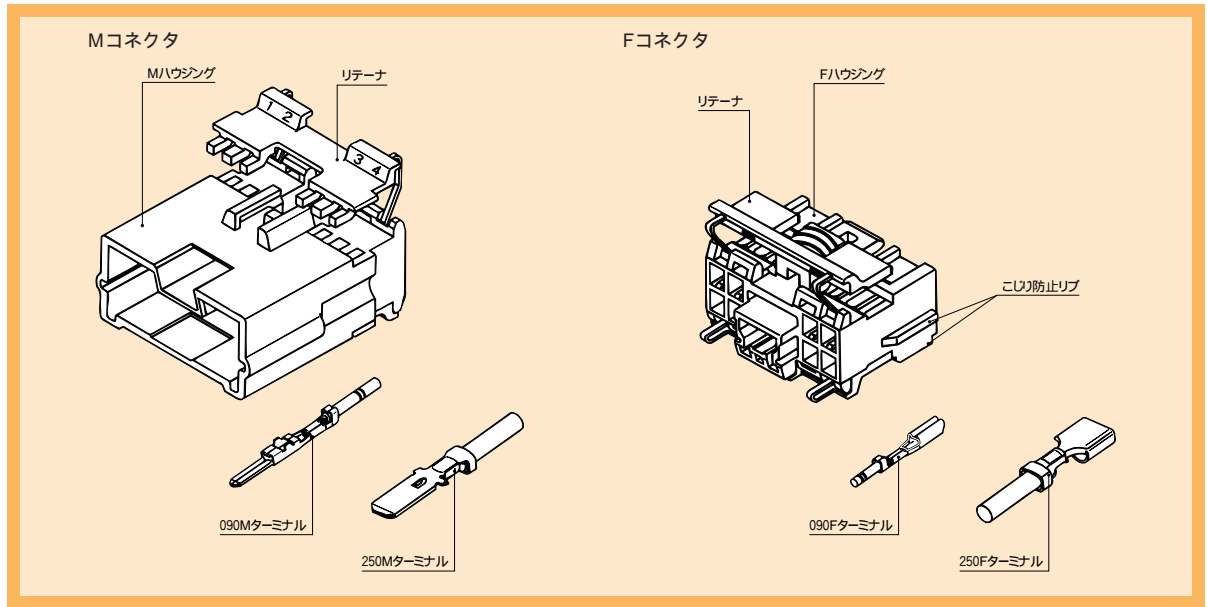


F(6090-5020)

V-04

090と250を一体化したコネクタで、
信号回路とパワー回路を混合して使用できます。

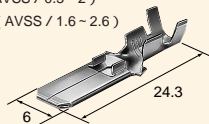
構造



ターミナル (単位: mm)

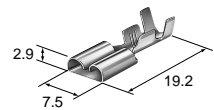
ターミナル090はV-02に掲載。

適用電線サイズ(mm ²)	(AVS / 0.5 ~ 2) (AVSS / 0.5 ~ 2)
電線仕上り外径(mm)	(AVS / 2.0 ~ 2.9) (AVSS / 1.6 ~ 2.6)
材質	黄銅
表面処理	防錆処理
リール(個)	4000
板厚(mm)	0.4



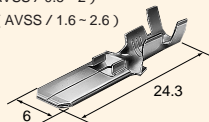
M(8230-4040)

適用電線サイズ(mm ²)	(AVS / 0.5 ~ 2) (AVSS / 0.5 ~ 2)
電線仕上り外径(mm)	(AVS / 2.0 ~ 2.9) (AVSS / 1.6 ~ 2.6)
材質	黄銅
表面処理	防錆処理
リール(個)	5000
板厚(mm)	0.32



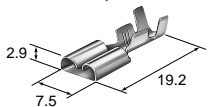
F(8240-4140)

適用電線サイズ(mm ²)	(AVS / 0.5 ~ 2) (AVSS / 0.5 ~ 2)
電線仕上り外径(mm)	(AVS / 2.0 ~ 2.9) (AVSS / 1.6 ~ 2.6)
材質	黄銅
表面処理	Snメッキ
リール(個)	4000
板厚(mm)	0.4



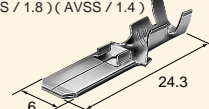
M(8230-4042)

適用電線サイズ(mm ²)	(AVS / 0.5 ~ 2) (AVSS / 0.5 ~ 2)
電線仕上り外径(mm)	(AVS / 2.0 ~ 2.9) (AVSS / 1.6 ~ 2.6)
材質	黄銅
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.32



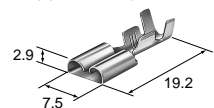
F(8240-4182)

適用電線サイズ(mm ²)	(AVSN / 0.2) (AVS / 0.3) (AVSS / 0.3)
電線仕上り外径(mm)	(AVSN / 1.5) (AVS / 1.8) (AVSS / 1.4)
材質	黄銅
表面処理	防錆処理
リール(個)	4000
板厚(mm)	0.4



M(8230-4050)

適用電線サイズ(mm ²)	(AVSN / 0.2) (AVS / 0.3) (AVSS / 0.3)
電線仕上り外径(mm)	(AVSN / 1.5) (AVS / 1.8) (AVSS / 1.4)
材質	黄銅
表面処理	防錆処理
リール(個)	5000
板厚(mm)	0.32

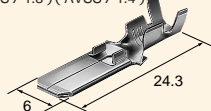


F(8240-4220)

250

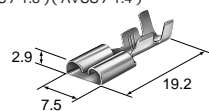
V-05

適用電線サイズ(mm ²)	(AVSN / 0.2) (AVS / 0.3) (AVSS / 0.3)
電線仕上り外径(mm)	(AVSN / 1.5) (AVS / 1.8) (AVSS / 1.4)
材質	黄銅
表面処理	Snメッキ
リール(個)	4000
板厚(mm)	0.4



M(8230-4052)

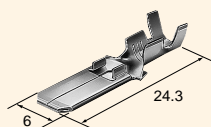
適用電線サイズ(mm ²)	(AVSN / 0.2) (AVS / 0.3) (AVSS / 0.3)
電線仕上り外径(mm)	(AVSN / 1.5) (AVS / 1.8) (AVSS / 1.4)
材質	黄銅
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.32



F(8240-4202)

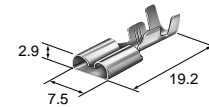
250

適用電線サイズ(mm ²)	(AVS / 2 ~ 3)
電線仕上り外径(mm)	(AVS / 2.9 ~ 3.6)
材質	黄銅
表面処理	防錆処理
リール(個)	3500
板厚(mm)	0.4



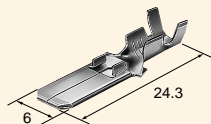
M(8230-4060)

適用電線サイズ(mm ²)	(AVS / 2 ~ 3)
電線仕上り外径(mm)	(AVS / 2.9 ~ 3.6)
材質	黄銅
表面処理	防錆処理
リール(個)	5000
板厚(mm)	0.32



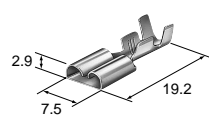
F(1500-0068)

適用電線サイズ(mm ²)	(AVS / 2 ~ 3)
電線仕上り外径(mm)	(AVS / 2.9 ~ 3.6)
材質	黄銅
表面処理	Snメッキ
リール(個)	3500
板厚(mm)	0.4



M(8230-4062)

適用電線サイズ(mm ²)	(AVS / 2 ~ 3)
電線仕上り外径(mm)	(AVS / 2.9 ~ 3.6)
材質	黄銅
表面処理	Snメッキ
リール(個)	5000
板厚(mm)	0.32



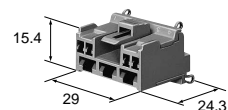
F(1500-0058)

ハウジング (単位: mm)

材質 / P.B.T.
色相 / ご希望により各色用意いたします。
極数 () 内表示 : 090極数 左) 250極数 右)

7極(異形)
(4+3)

ターミナル参照頁 [090] V-02
[250] V-05

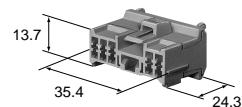


F(6090-5026)

V-06

11極
(10+1)

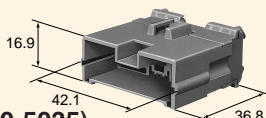
ターミナル参照頁 [090] V-02
[250] V-05



F(6090-5033)

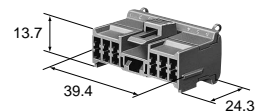
13極
(12+1)

ターミナル参照頁 [090] V-02
[250] V-05



M(6090-5035)

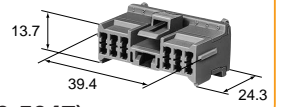
ターミナル参照頁 [090] V-02
[250] V-05



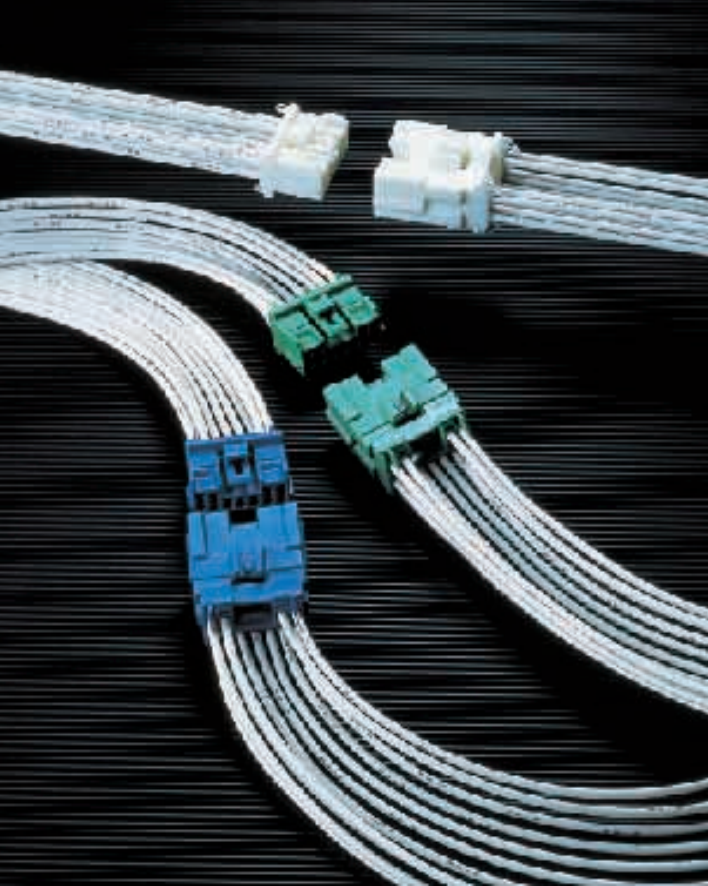
F(6090-5037)

13種(異形)
(12+1)

ターミナル参照頁 [090] V-02
[250] V-05



F(6090-5047)



DS SERIES

Features

No Terminal Backing-Out

Holds terminals by firmly in place employing a retainer which pushes in the terminals completely and a secondary lock.

Prevents Incomplete Engagement

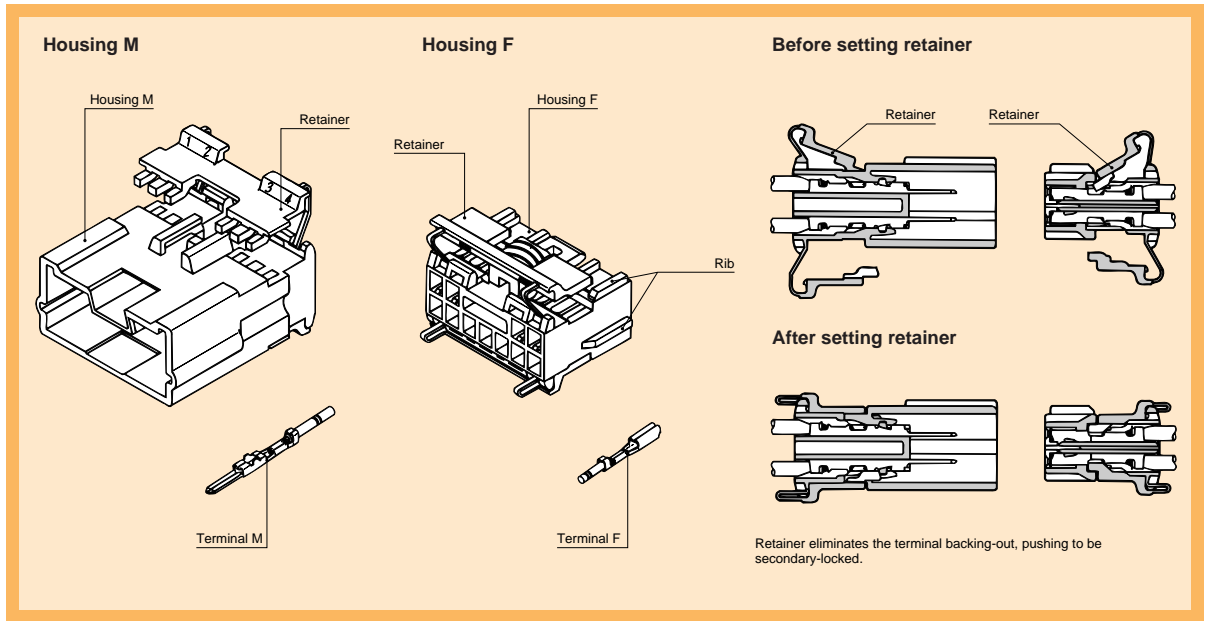
Improved locking feeling and reduced engage force realized by a newly designed lock are effective to prevent incomplete engagement.

High Density Multi-Pin

High density, multi-pin connector serves most reliably in control circuits and low power circuits.

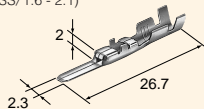
V-01

Structure



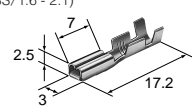
Terminal (UNIT: mm)

Cable size (mm ²)	(AVS/0.5 - 1.25) (AVSS/0.5 - 1.25)
Cable overall diameter (mm)	(AVS/2.0 - 2.5) (AVSS/1.6 - 2.1)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.3



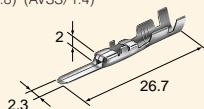
M(8230-4282)

Cable size (mm ²)	(AVS/0.5 - 1.25) (AVSS/0.5 - 1.25)
Cable overall diameter (mm)	(AVS/2.0 - 2.5) (AVSS/1.6 - 2.1)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.25



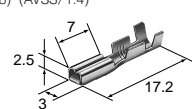
F(8240-4422)

Cable size (mm ²)	(AVSN/0.2) (AVS/0.3) (AVSS/0.3)
Cable overall diameter (mm)	(AVSN/1.5) (AVS/1.8) (AVSS/1.4)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.3



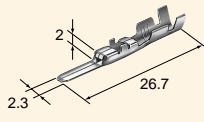
M(8230-4272)

Cable size (mm ²)	(AVSN/0.2) (AVS/0.3) (AVSS/0.3)
Cable overall diameter (mm)	(AVSN/1.5) (AVS/1.8) (AVSS/1.4)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.25



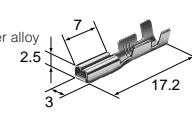
F(8240-4412)

Cable size (mm ²)	(AVSS/2)
Cable overall diameter (mm)	(AVSS/2.6)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.3



M(8230-4392)

Cable size (mm ²)	(AVSS/2)
Cable overall diameter (mm)	(AVSS/2.6)
Material	Heat-resistant copper alloy
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.25



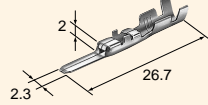
F(8240-4652)

V-02

090

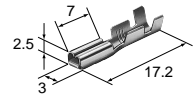
090

Cable size (mm ²)	(AVSN/0.2) (AVS/0.3 - 0.5) (AVSS/0.3 - 0.5)
Cable overall diameter (mm)	(AVSN/1.5) (AVS/1.8 - 2.0) (AVSS/1.4 - 1.6)
Material	Brass
Surface treatment	Gold-plated
Reel (piece)	5000
Thickness (mm)	0.3



M(8230-4419)

Cable size (mm ²)	(AVSN/0.2) (AVS/0.3 - 0.5) (AVSS/0.3 - 0.5)
Cable overall diameter (mm)	(AVSN/1.5) (AVS/1.8 - 2.0) (AVSS/1.4 - 1.6)
Material	Brass
Surface treatment	Gold-plated
Reel (piece)	5000
Thickness (mm)	0.25



F(8240-4849)

Housing (UNIT: mm)

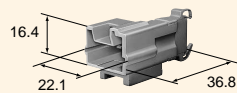
Material/P.B.T.

Color/Other housing colors are available to meet your request.

Retainer/Built-in the connector housing.

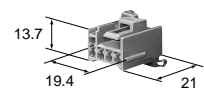
5way

Ref: Terminal part No.	V-02
Color	Natural



M(6090-5040)

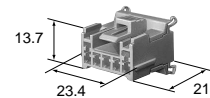
Ref: Terminal part No.	V-02
Color	Natural



F(6090-5041)

7way

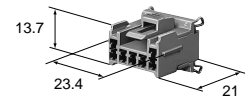
Ref: Terminal part No.	V-02
Color	Natural



F(6090-5008)

7way
(Special shape)

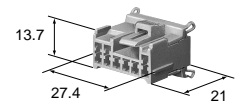
Ref: Terminal part No.	V-02
Color	Gray



F(6090-5009)

9way

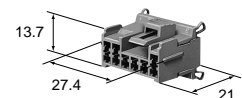
Ref: Terminal part No.	V-02
Color	Natural



F(6090-5010)

9way
(Special shape)

Ref: Terminal part No.	V-02
Color	Gray

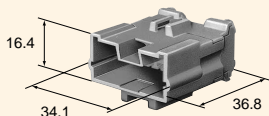


F(6090-5011)

V-03

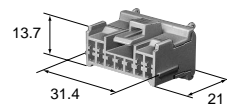
11way

Ref: Terminal part No. V-02
Color Natural



M(6090-5001)

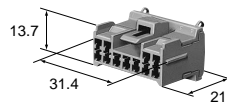
Ref: Terminal part No. V-02
Color Natural



F(6090-5004)

11way
(Special shape)

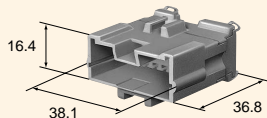
Ref: Terminal part No. V-02
Color Gray



F(6090-5007)

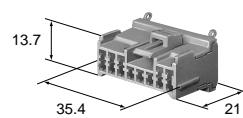
13way

Ref: Terminal part No. V-02
Color Natural



M(6090-5012)

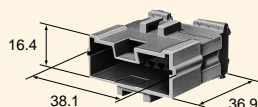
Ref: Terminal part No. V-02
Color Natural



F(6090-5014)

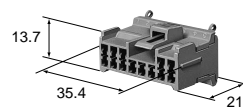
13way
(Special shape)

Ref: Terminal part No. V-02
Color Gray



M(6090-5048)

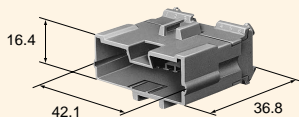
Ref: Terminal part No. V-02
Color Gray



F(6090-5016)

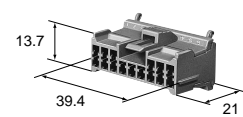
15way

Ref: Terminal part No. V-02
Color Green



M(6090-5017)

Ref: Terminal part No. V-02
Color Green

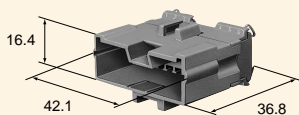


F(6090-5019)

V-04

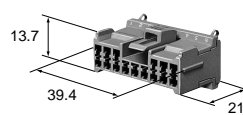
15way
(Special shape)

Ref: Terminal part No. V-02
Color Gray



M(6090-5018)

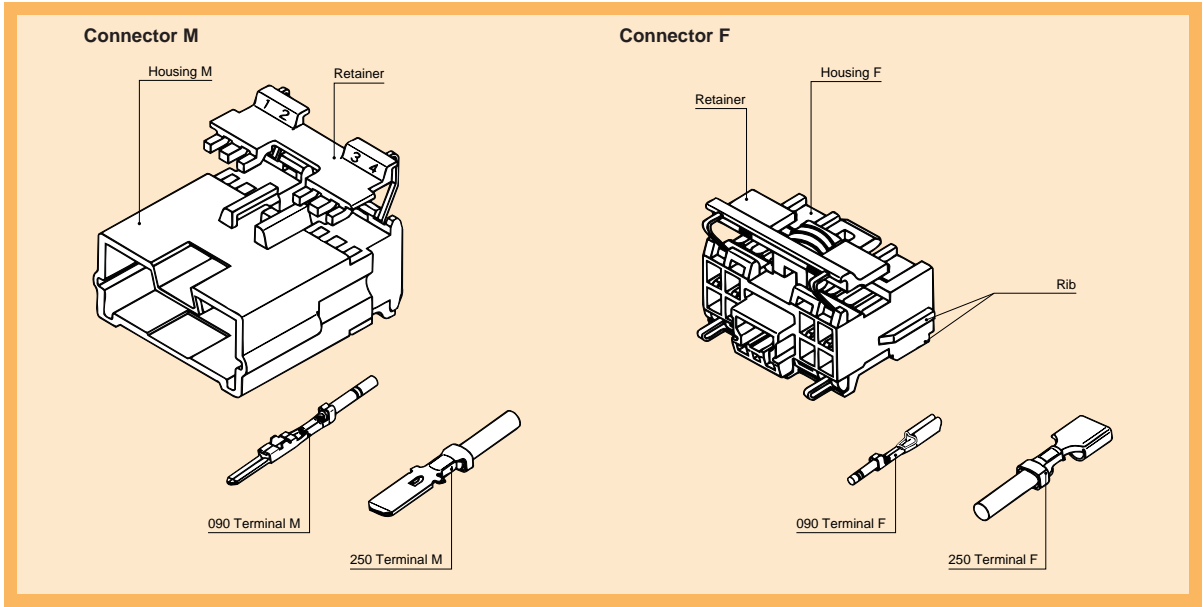
Ref: Terminal part No. V-02
Color Gray



F(6090-5020)

Hybrid connectors integrate models of 090 and 250 for the applications where control circuits and power circuits are handled together.

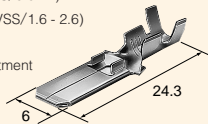
Structure



Terminal (UNIT: mm)

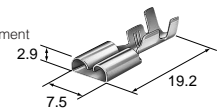
● Ref: 090 Terminal List (Page V-02)

Cable size (mm ²)	(AVS/0.5 - 2) (AVSS/0.5 - 2)
Cable overall diameter (mm)	(AVS/2.0 - 2.9) (AVSS/1.6 - 2.6)
Material	Brass
Surface treatment	Anti-Corrosion treatment
Reel (piece)	4000
Thickness (mm)	0.4



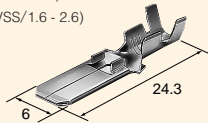
M(8230-4040)

Cable size (mm ²)	(AVS/0.5 - 2) (AVSS/0.5 - 2)
Cable overall diameter (mm)	(AVS/2.0 - 2.9) (AVSS/1.6 - 2.6)
Material	Brass
Surface treatment	Anti-Corrosion treatment
Reel (piece)	5000
Thickness (mm)	0.32



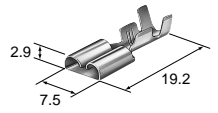
F(8240-4140)

Cable size (mm ²)	(AVS/0.5 - 2) (AVSS/0.5 - 2)
Cable overall diameter (mm)	(AVS/2.0 - 2.9) (AVSS/1.6 - 2.6)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	4000
Thickness (mm)	0.4



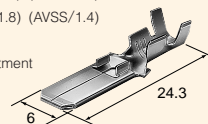
M(8230-4042)

Cable size (mm ²)	(AVS/0.5 - 2) (AVSS/0.5 - 2)
Cable overall diameter (mm)	(AVS/2.0 - 2.9) (AVSS/1.6 - 2.6)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.32



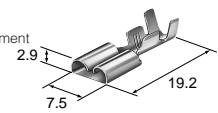
F(8240-4182)

Cable size (mm ²)	(AVSN/0.2) (AVS/0.3) (AVSS/0.3)
Cable overall diameter (mm)	(AVSN/1.5) (AVS/1.8) (AVSS/1.4)
Material	Brass
Surface treatment	Anti-Corrosion treatment
Reel (piece)	4000
Thickness (mm)	0.4



M(8230-4050)

Cable size (mm ²)	(AVSN/0.2) (AVS/0.3) (AVSS/0.3)
Cable overall diameter (mm)	(AVSN/1.5) (AVS/1.8) (AVSS/1.4)
Material	Brass
Surface treatment	Anti-Corrosion treatment
Reel (piece)	5000
Thickness (mm)	0.32

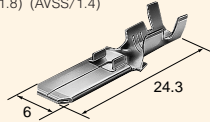


F(8240-4220)

250

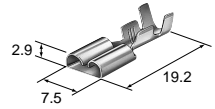
V-05

Cable size (mm ²)	(AVSN/0.2) (AVS/0.3) (AVSS/0.3)
Cable overall diameter (mm)	(AVSN/1.5) (AVS/1.8) (AVSS/1.4)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	4000
Thickness (mm)	0.4



M(8230-4052)

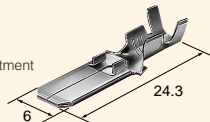
Cable size (mm ²)	(AVSN/0.2) (AVS/0.3) (AVSS/0.3)
Cable overall diameter (mm)	(AVSN/1.5) (AVS/1.8) (AVSS/1.4)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.32



F(8240-4202)

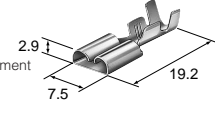
250

Cable size (mm ²)	(AVS/2 - 3)
Cable overall diameter (mm)	(AVS/2.9 - 3.6)
Material	Brass
Surface treatment	Anti-Corrosion treatment
Reel (piece)	3500
Thickness (mm)	0.4



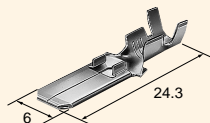
M(8230-4060)

Cable size (mm ²)	(AVS/2 - 3)
Cable overall diameter (mm)	(AVS/2.9 - 3.6)
Material	Brass
Surface treatment	Anti-Corrosion treatment
Reel (piece)	5000
Thickness (mm)	0.32



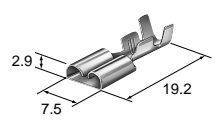
F(1500-0068)

Cable size (mm ²)	(AVS/2 - 3)
Cable overall diameter (mm)	(AVS/2.9 - 3.6)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	3500
Thickness (mm)	0.4



M(8230-4062)

Cable size (mm ²)	(AVS/2 - 3)
Cable overall diameter (mm)	(AVS/2.9 - 3.6)
Material	Brass
Surface treatment	Tin-plated
Reel (piece)	5000
Thickness (mm)	0.32



F(1500-0058)

Housing (UNIT: mm)

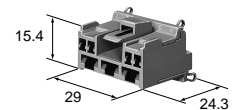
Material/ P.B.T.

Color/Other housing colors are available to meet your request.

No. of way: () corresponds to 090, 250, in order from left to right.

7way
(Special shape)
(4+3)

Ref: Terminal part No. [090] V-02
[250] V-05

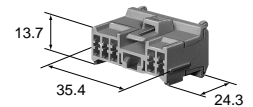


F(6090-5026)

V-06

11way
(10+1)

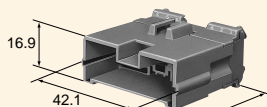
Ref: Terminal part No. [090] V-02
[250] V-05



F(6090-5033)

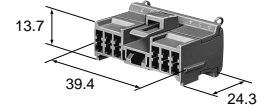
13way
(12+1)

Ref: Terminal part No. [090] V-02
[250] V-05



M(6090-5035)

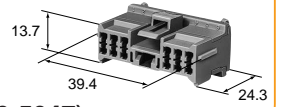
Ref: Terminal part No. [090] V-02
[250] V-05



F(6090-5037)

13way
(Special shape)
(12+1)

Ref: Terminal part No. [090] V-02
[250] V-05



F(6090-5047)