

HCM Series



HCM small-sized solder insert

Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Inserts	
Electrical data acc. to EN 61 984	
Number of contacts	15、 18、 21
Rated current	5A
Rated voltage	50V
Rated impulse voltage	0.8KV
Pollution degree	3
Insulation resistance	$\geq 10^{10}\Omega$
Material	polycarbonate/thermoplastic resin
Limiting temperatures	-40°C - +85°C
Mechanical working life(mating cycles)	≥ 50
Contacts	
Material	copper alloy
Contact resistance	$\leq 3m\Omega$
Crimp terminal	
-mm ²	0.09-0.82mm ²
-AWG	28-18
Surface	hard-silver plated
	hard-gold plated
Solder terminal	Solder hole 0.8mm

HCM-015 small-sized solder insert

50V 5A

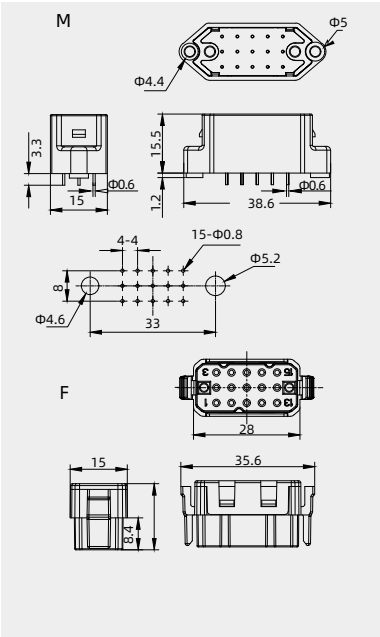
Inserts

Remark: SPQ is 10pcs

Solder/Crimp terminal
Order crimp contacts separately



Insert	Color	Designation	Order No.
Male	Black	HCM-015-MT.BK	137 015 001 0002
	White	HCM-015-MT.WH	137 015 001 0003
	Grey	HCM-015-MT.GY	137 015 001 0004
Female	Blue	HCM-015-MT.BU	137 015 001 0005
	Black	HCM-015-FC.BK	137 015 020 0002
	White	HCM-015-FC.WH	137 015 020 0003
	Grey	HCM-015-FC.GY	137 015 020 0004
	Blue	HCM-015-FC.BU	137 015 020 0005

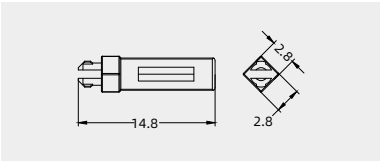


Coding element

Remark: SPQ is 100pcs



Description	Designation	Order No.
coding, pokayoke	CODE-Q3	198 002 005 0034



Crimp contacts

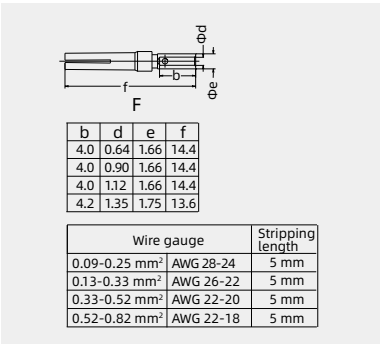
Crimp contacts 5A

Contact resistance $\leq 3m\Omega$
silver plated



Remark: SPQ is 100pcs

Female	Order No.
CSSF-0.25	101 014 120 0101
CSSF-0.33	101 014 120 0201
CSSF-0.52	101 014 120 0501
CSSF-0.82	101 014 120 0701
CSGF-0.25	101 014 220 0101
CSGF-0.33	101 014 220 0201
CSGF-0.52	101 014 220 0501
CSGF-0.82	101 014 220 0701



HCM-015 small-sized solder insert

Stamped contacts 5A

Contact resistance $\leq 10\text{m}\Omega$

Remark: SPQ is 3000pcs

	Male	Order No.	Female	Order No.
silver plated	CSSM-0.82P	101 014 110 0750	CSSF-0.82P	101 014 120 0750
gold plated	CSGM-0.82P	101 014 210 0750	CSGF-0.82P	101 014 220 0750
coil stock				

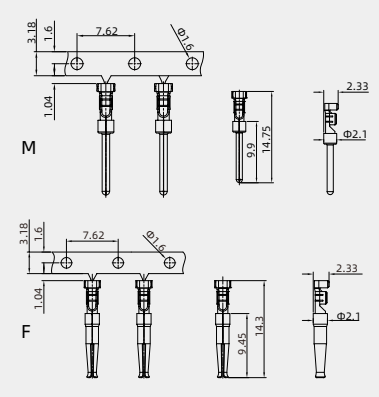
Note: 10kpcs/volume

Tools

Remark: SPQ is 1pc

	Wire gauge	Designation	Order No.
Crimping tool	0.09-0.82mm ²	TL03	198 001 001 0002
	Application	Designation	Order No.
Contact removal tool	for 5A crimp contact	TL08	198 001 000 0006

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.



HCM-018 small-sized solder insert

50V 5A

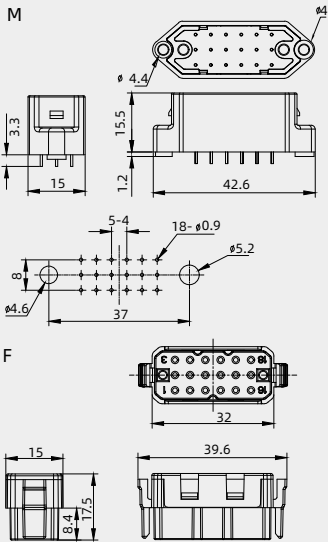
Inserts

Remark: SPQ is 10pcs

Solder/Crimp terminal
Order crimp contacts separately



Insert	Color	Designation	Order No.
Male	Black	HCM-018-MT.BK	137 018 001 0002
	White	HCM-018-MT.WH	137 018 001 0003
	Grey	HCM-018-MT.GY	137 018 001 0004
Female	Blue	HCM-018-MT.BU	137 018 001 0005
	Black	HCM-018-FC.BK	137 018 020 0002
	White	HCM-018-FC.WH	137 018 020 0003
	Grey	HCM-018-FC.GY	137 018 020 0004
	Blue	HCM-018-FC.BU	137 018 020 0005



Coding element

Remark: SPQ is 100pcs



Description	Designation	Order No.
coding, pokayoke	CODE-Q3	198 002 005 0034



Crimp contacts

Crimp contacts 5A

Remark: SPQ is 100pcs

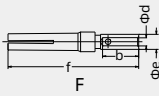
Contact resistance $\leq 3\text{m}\Omega$
silver plated



gold plated



Female	Order No.
CSSF-0.25	101 014 120 0101
CSSF-0.33	101 014 120 0201
CSSF-0.52	101 014 120 0501
CSSF-0.82	101 014 120 0701
CSGF-0.25	101 014 220 0101
CSGF-0.33	101 014 220 0201
CSGF-0.52	101 014 220 0501
CSGF-0.82	101 014 220 0701



b	d	e	f
4.0	0.64	1.66	14.4
4.0	0.90	1.66	14.4
4.0	1.12	1.66	14.4
4.2	1.35	1.75	13.6

Wire gauge	Stripping length
0.09-0.25 mm ² AWG 28-24	5 mm
0.13-0.33 mm ² AWG 26-22	5 mm
0.33-0.52 mm ² AWG 22-20	5 mm
0.52-0.82 mm ² AWG 22-18	5 mm

HCM-018 small-sized solder insert

Stamped contacts 5A

Contact resistance $\leq 10\text{m}\Omega$

silver plated



gold plated



coil stock



Note: 10kpcs/volume

Remark: SPQ is 3000pcs

Male	Order No.	Female	Order No.
CSSM-0.82P	101 014 110 0750	CSSF-0.82P	101 014 120 0750
CSGM-0.82P	101 014 210 0750	CSGF-0.82P	101 014 220 0750

Tools

Crimping tool



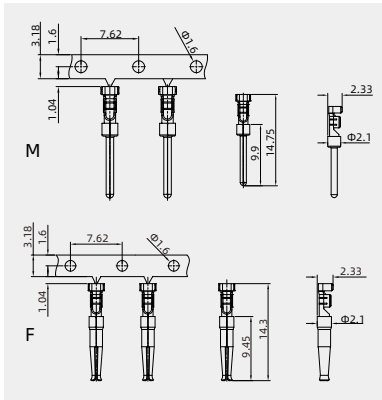
Contact removal tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.09-0.82mm ²	TL03	198 001 001 0002
Application	Designation	Order No.
for 5A crimp contact	TL08	198 001 000 0006

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HCM-021 small-sized solder insert

50V 5A

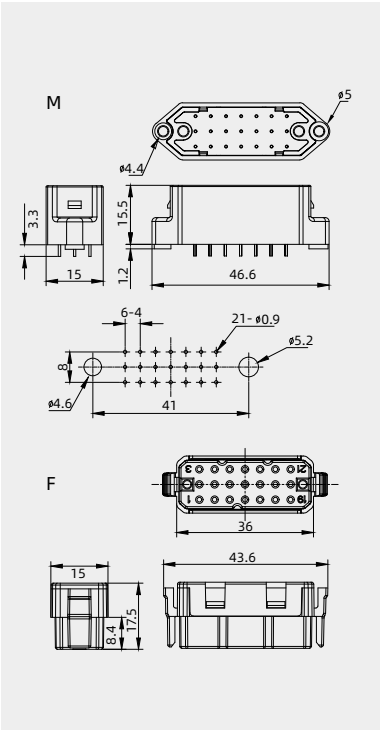
Inserts

Solder/Crimp terminal
Order crimp contacts separately



Remark: SPQ is 10pcs

Insert	Color	Designation	Order No.
Male	Black	HCM-021-MT.BK	137 021 001 0002
	White	HCM-021-MT.WH	137 021 001 0003
	Grey	HCM-021-MT.GY	137 021 001 0004
	Blue	HCM-021-MT.BU	137 021 001 0005
	Red	HCM-021-MT.RD	137 021 001 0006
	Yellow	HCM-021-MT.YE	137 021 001 0007
	Green	HCM-021-MT.GN	137 021 001 0008
Female	Black	HCM-021-FC.BK	137 021 020 0002
	White	HCM-021-FC.WH	137 021 020 0003
	Grey	HCM-021-FC.GY	137 021 020 0004
	Blue	HCM-021-FC.BU	137 021 020 0005
	Red	HCM-021-FC.RD	137 021 020 0006
	Yellow	HCM-021-FC.YE	137 021 020 0007
	Green	HCM-021-FC.GN	137 021 020 0008

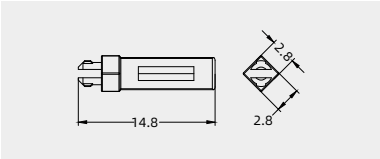


Coding element



Remark: SPQ is 100pcs

Description	Designation	Order No.
coding, pokayoke	CODE-Q3	198 002 005 0034



Crimp contacts

Crimp contacts 5A
Contact resistance $\leq 3\text{m}\Omega$
silver plated

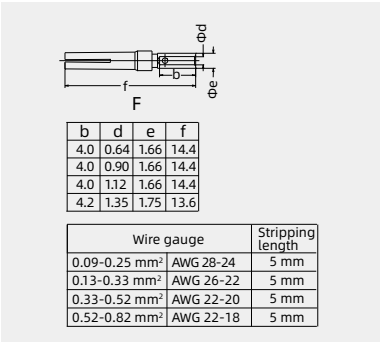


gold plated



Remark: SPQ is 100pcs

Female	Order No.
CSSF-0.25	101 014 120 0101
CSSF-0.33	101 014 120 0201
CSSF-0.52	101 014 120 0501
CSSF-0.82	101 014 120 0701
CSGF-0.25	101 014 220 0101
CSGF-0.33	101 014 220 0201
CSGF-0.52	101 014 220 0501
CSGF-0.82	101 014 220 0701



HCM-021 small-sized solder insert

Stamped contacts 5A

Contact resistance $\leq 10\text{m}\Omega$

silver plated



gold plated



coil stock



Note: 10kpcs/volume

Tools

Crimping tool

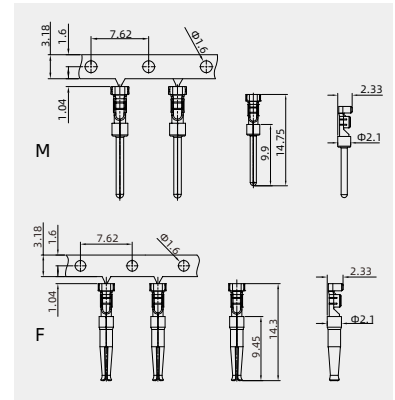


Contact removal tool



Remark: SPQ is 3000pcs

Male	Order No.	Female	Order No.
CSSM-0.82P	101 014 110 0750	CSSF-0.82P	101 014 120 0750
CSGM-0.82P	101 014 210 0750	CSGF-0.82P	101 014 220 0750



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.09-0.82mm ²	TL03	198 001 001 0002
Application	Designation	Order No.
for 5A crimp contact	TL08	198 001 000 0006

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