

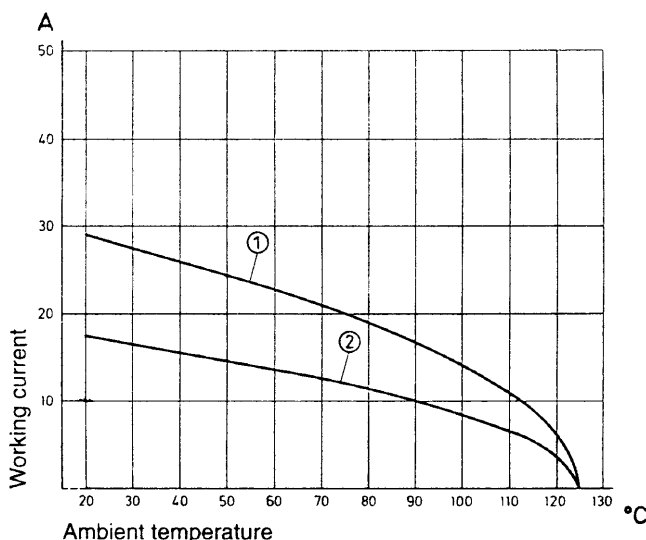
Features

- ☐ 5 contact chambers for the power contacts of the series Han E (16 A)
- ☐ Space-saving and compact design
- ☐ Leading protective ground with screw terminal
- ☐ Crimp terminal with standard Han E contacts
- ☐ Use of standard tools
- ☐ Compatible with metal and plastic hoods of the series Han 3 A / 4 A
- ☐ The contacts can be removed with the aid of a removal tool from the termination side
- ☐ Degree of protection IP 65²⁾

Current carrying capacity

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures according to DIN IEC 60 512-3.



① Wire gauge: 2.5 mm²

② Wire gauge: 1.5 mm²

¹⁾ without washer

²⁾ IP 65 will be achieved with sealing screw 09 20 000 9918

Technical characteristics

Specifications

DIN VDE 0627
DIN VDE 0110

Approvals



Inserts

Number of contacts	5 + PE
Working current (see current carrying capacity)	16 A max.
Working voltage	230/400 V
Working voltage acc. to UL/CSA	600 V
Test voltage U_{rms}	2 kV
Pollution degree	3 (C)
Insulation resistance	$\geq 10^{10} \Omega$
Material	Polycarbonate
Temperature range	- 40 °C ... + 125 °C
Flammability acc. to UL 94	V 0
Mechanical working life - mating cycles	≥ 500

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μ m Ag
- hard-gold plated	2 μ m Au over 3 μ m Ni
Contact resistance	$\leq 1 \text{ m}\Omega$
Crimp terminal	
- mm ²	0.5 - 2.5 mm ²
- AWG	20 - 14

Plastic Hoods/Housings

Material	Polycarbonate RAL 7032
Locking element	Polyamide RAL 7032
Hoods/Housings sealing	NBR
Temperature range	- 40 °C ... + 125 °C
Flammability acc. to UL 94	V 0
Degree of protection acc. to DIN 40 050 for coupled connector	IP 65 ¹⁾

Metal Hoods/Housings

Material	die cast zinc alloy
Surface	powder-coated RAL 7037 (grey)
Locking element	steel, galvanized
Hoods/Housings sealing	NBR
Temperature range	- 40 °C ... + 125 °C
Degree of protection acc. to DIN 40 050 for coupled connector	IP 44 ²⁾

Accessories

Crimping tools	chapter 12
Cable clamps	chapter 40
IP 65 fixing screw	chapter 40

Number of contacts

5 +

Inserts

Identification

Crimp terminal

Order crimp contacts separately

Part No.

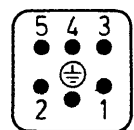
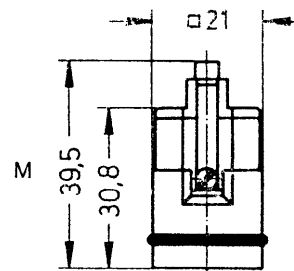
Male insert (M)

Female insert (F)

Drawing

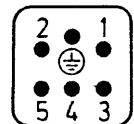
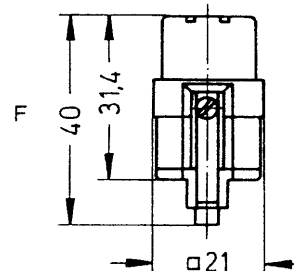
Dimensions in mm

09 12 005 3001



Contact arrangement
View from termination side

09 12 005 3101



Coding with loss
of one contact

09 33 000 9915

To avoid accidental incorrect mating of adjacent connectors a coding system is required. Coding is effected – by means of a code pin. For this reason a female contact has to be inserted into the selected chamber. The code pin has to be assembled into this contact from the mating side. The opposite male contact is omitted.

Mounting example

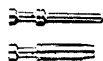


Identification

Crimp contacts

Power contacts

silver plated



Wire gauge

0.5
0.75
1.0
1.5
2.5

Male contacts

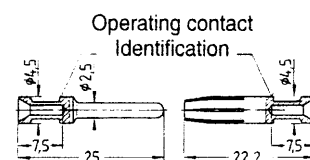
09 33 000 6121
09 33 000 6114
09 33 000 6105
09 33 000 6104
09 33 000 6102

Part No.

Female contacts

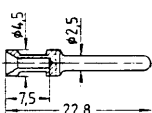
09 33 000 6220
09 33 000 6214
09 33 000 6205
09 33 000 6204
09 33 000 6202

Drawing



Dimensions in mm

Operating contact
Identification



gold plated



0.5
0.75
1.0
1.5
2.5

09 33 000 6122
09 33 000 6115
09 33 000 6118
09 33 000 6116
09 33 000 6123

09 33 000 6222
09 33 000 6215
09 33 000 6218
09 33 000 6216
09 33 000 6223

Crimp contact identification

Identification	Wire gauge		Stripping length
no groove	0.5 mm ²	AWG 20	7.5 mm
1 groove*	0.75 mm ²	AWG 18	7.5 mm
1 groove	1 mm ²	AWG 18	7.5 mm
2 grooves	1.5 mm ²	AWG 16	7.5 mm
3 grooves	2.5 mm ²	AWG 14	7.5 mm

Relay contact
silver plated

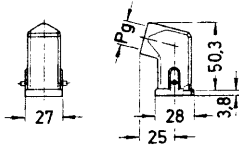
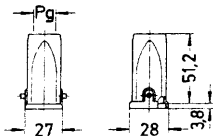
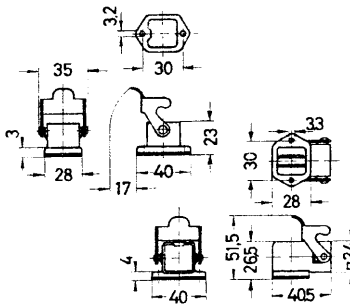
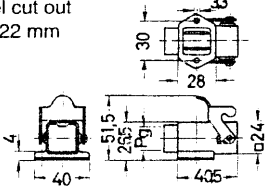
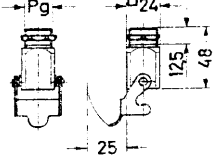
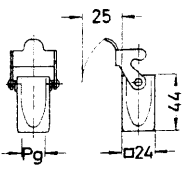
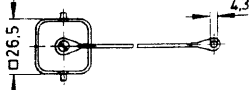
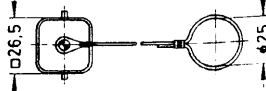


0.75-1
1.5
2.5

09 33 000 6109
09 33 000 6110
09 33 000 6111

* on the back crimp collar

Stock items in bold type

Identification	Standard	Part No. Han M	Han U	Pg	Drawing	Dimensions in mm
Hoods side-entry 	09 20 003 1640	09 37 003 1640	09 36 003 1640	11		
Hoods top-entry 	09 20 003 1440	09 37 003 1440	09 36 003 1440	11		
Protection covers for hoods	09 20 003 5422¹⁾ 09 20 003 5421²⁾	09 37 003 5402¹⁾ 09 37 003 5401²⁾	09 36 003 5402¹⁾ 09 36 003 5401²⁾			
Housings bulkhead mounting  	09 20 003 0301 09 20 003 0801	09 37 003 0301 09 37 003 0801	09 36 003 0301 09 36 003 0801	— —		Panel cut out 22 x 22 mm
Han Drive Housings surface mounting 1 side-entry 	09 20 003 1250	09 37 003 1250	09 36 003 1250	11		Panel cut out 22 x 22 mm
Housings screw mounting 	09 20 003 0102		09 36 003 0102	13,5		
Hoods cable to cable 	09 20 003 1750	09 37 003 1750	09 36 003 1750	11		
Protection covers for housings 09 20 003 5426¹⁾ 09 20 003 5425²⁾	09 37 003 5406¹⁾ 09 37 003 5405²⁾	09 36 003 5406¹⁾ 09 36 003 5405²⁾				
for hoods cable to cable 09 20 003 5428¹⁾ 09 20 003 5427²⁾	09 37 003 5408¹⁾ 09 37 003 5407²⁾	09 36 003 5408¹⁾ 09 36 003 5407²⁾				

¹⁾ for mounted male insert ²⁾ for mounted female insert

Identification

Part No.

Pg

Drawing

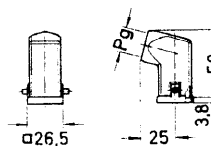
Dimensions in mm

Hoods
side-entry
 grey
09 20 003 0620

11

 black
09 20 003 0627

11



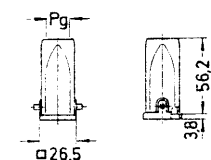
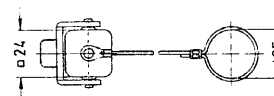
Hoods

Hoods
top-entry
 grey
09 20 003 0420

11

 black
09 20 003 0427

11

Protection covers
for hoods
 09 20 003 5442¹⁾
 09 20 003 5441²⁾


Housings bulkhead mounting


 grey
09 20 003 0320

-

 black
09 20 003 0327

-

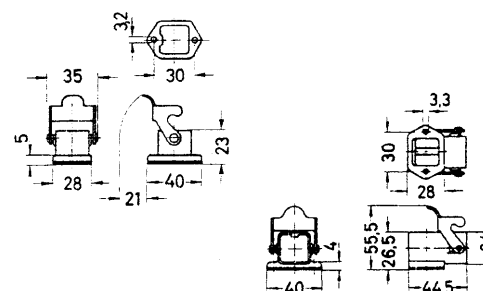

 grey
09 20 003 0820

-

 black
09 20 003 0827

-

Panel cut out 22 x 22 mm

Housings
surface mounting

1 side-entry

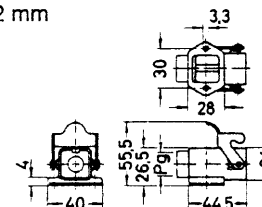

 grey
09 20 003 0220

11

 black
09 20 003 0227

11

Panel cut out 22 x 22 mm

Han
Drive

Housings

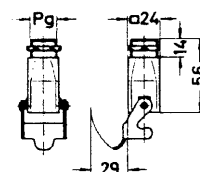
Housings screw mounting


 grey
09 20 003 0120

13.5

 black
09 20 003 0127

13.5



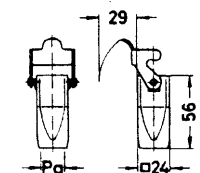
Hoods cable to cable


 grey
09 20 003 0720

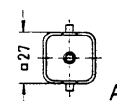
11

 black
09 20 003 0727

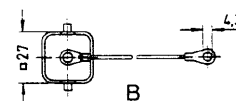
11

Protection covers
for housings
 A **09 20 003 5407¹⁾³⁾**
09 20 003 5408²⁾³⁾

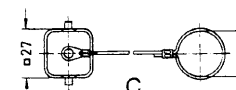
 B **09 20 003 5446¹⁾**
09 20 003 5445²⁾

 C **09 20 003 5448¹⁾**


A



B



C

for hoods cable to cable

¹⁾ for mounted male insert
²⁾ for mounted female insert
³⁾ for metal housings and cable to cable hoods also



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.