

Han® R 23

Circular Connectors









Features

- Size R 23
- Outer diameter 26 mm
- High contact density
- Very robust hoods/housings
- Corrosion resistant
- Excellent EMC properties (with continuous shielding)
- Quick and easy assembly
- Vibration resistant screw locking system
- Up to 19 contacts, 25 V~ / 60 V-
- Ideal for applications such as measurement and automatic control.

Note

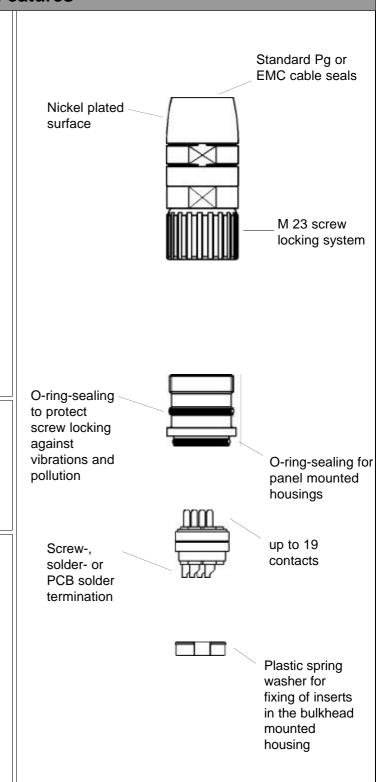
Connectors should not be coupled and decoupled under electrical load.

General Information

It is the user's responsibility to check whether the components illustrated in this catalogue comply with different regulations from those stated in special fields of application which we are unable to foresee.

We reserve the right to modify designs in order to improve quality, keep pace with technological advancement or meet particular requirements in production.

This catalogue must not be used in any form or manner without our prior approval in writing (Copyright Law, Fair Trading Law, Civil Code). We are bound by the German version only.



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Technical Details

Specifications DIN VDE 0627 DIN VDE 0110

Hoods/housings

Copper-zinc alloy Material Surface Nickel plated Flat sealing **NBR** FPM (Viton) O-ring-sealing - 40° C ... + 115° C Temperature range IP acc. to DIN 40050

in locked position IP 67

Inserts

Number of contacts 12 17 19 Working current

15 A 1x15A - power contact

- signal contact 8x 7A 7 A 7 A 16x 7A (see Derating Diagram) 3x10A

Working voltage¹⁾ 25V~ / 60V-Degree of pollution 3 Test voltage U_{rms} 1.5 kV $> 10^{12} \text{ W}$ Insulation resistance

Material Thermoplastic polyester (PBT)

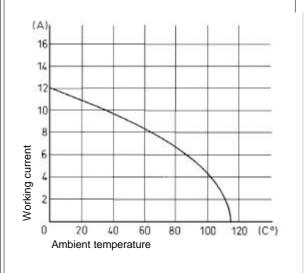
- 40° C ... + 115° C Temperature range

Flammability acc. to UL 94

Derating Diagram

Insert: 12 positions

Wire gauge: 1 mm² (AWG 18)



Contacts

Material Copper alloy Surface Gold plated Contact resistance < 5 mW

Screw termination

- power contact 0.14 - 1.0 mm², AWG 26 - 16 - signal contact 0.14 - 0.75 mm², AWG 26 - 18

Solder termination

- power contact 0.14 - 2.5 mm², AWG 26 - 14 - signal contact 0.14 - 1.0 mm², AWG 26 - 18

Crimp termination

- D-Sub contact see Subminiature D catalogue

PCB solder termination

- power contact - signal contact Ø 0.6 mm

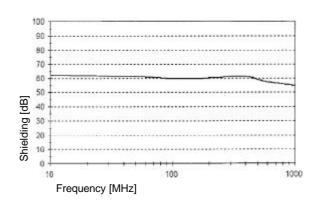
- solder length with reference to bulkhead mounted housing

Ø 1.5 mm

3.5 mm



1) Acc. to DIN VDE 0627 metallic parts which may be touched by a person and may have voltages present under fault conditions, must have integral protection. Therefore this R 23 connector is limited for use up to 25V~/60V-



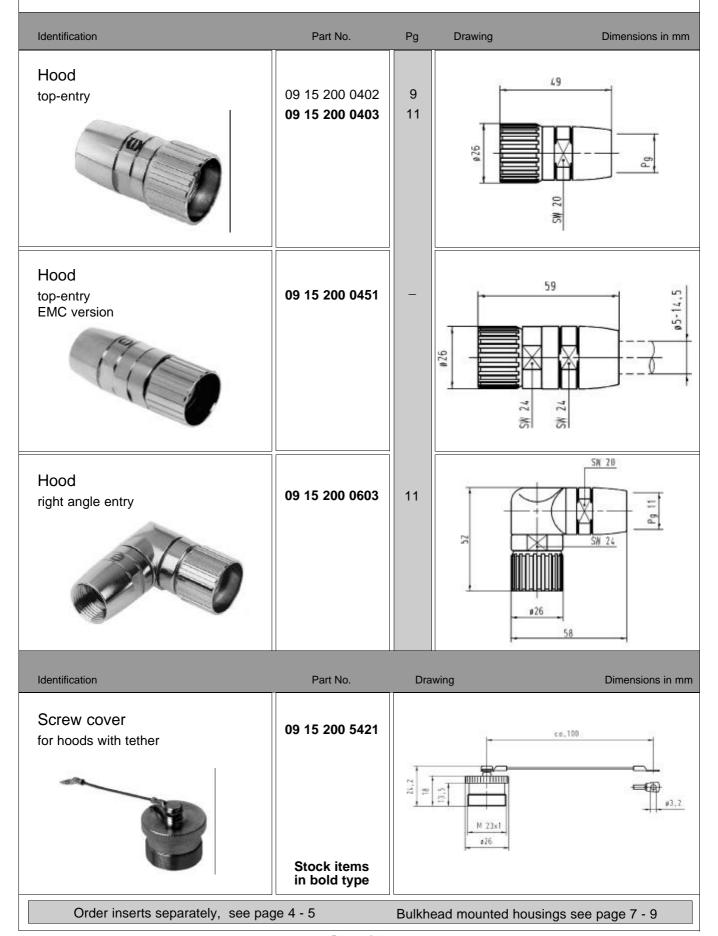


	Number c		Female inserts	Drawing Dimensions in mm
Screw termination	6	09 15 206 2601	09 15 206 2701	Contact arrangement view: mating side
		00 45 000 0000	00 45 000 0700	M F
Solder termination	6	09 15 206 2603	09 15 206 2703	· ·
				PCB pinhole pattern:
DCD colder to resinction?)		00.45.000.0004	00.45.000.0704	5.77
PCB solder termination ²⁾	6	09 15 206 2604	09 15 206 2704	8,25
				2) Suitable only for housings, bulkhead mounting, No.: 09 15 200 0311, 09 15 200 0313 and 09 15 200 0301
Screw termination	9	09 15 209 2601	09 15 209 2701	Contact arrangement view: mating side
				(numbering in opposite direction on request)
Solder termination	9	09 15 209 2603	09 15 209 2703	M F
AD-				PCB pinhole pattern:
				S. S
PCB solder termination ²⁾	9	09 15 209 2604	09 15 209 2704	3,6
		Stock items in	n bold type	2) Suitable only for housings, bulkhead mounting, No.: 09 15 200 0311, 09 15 200 0313 and 09 15 200 0301

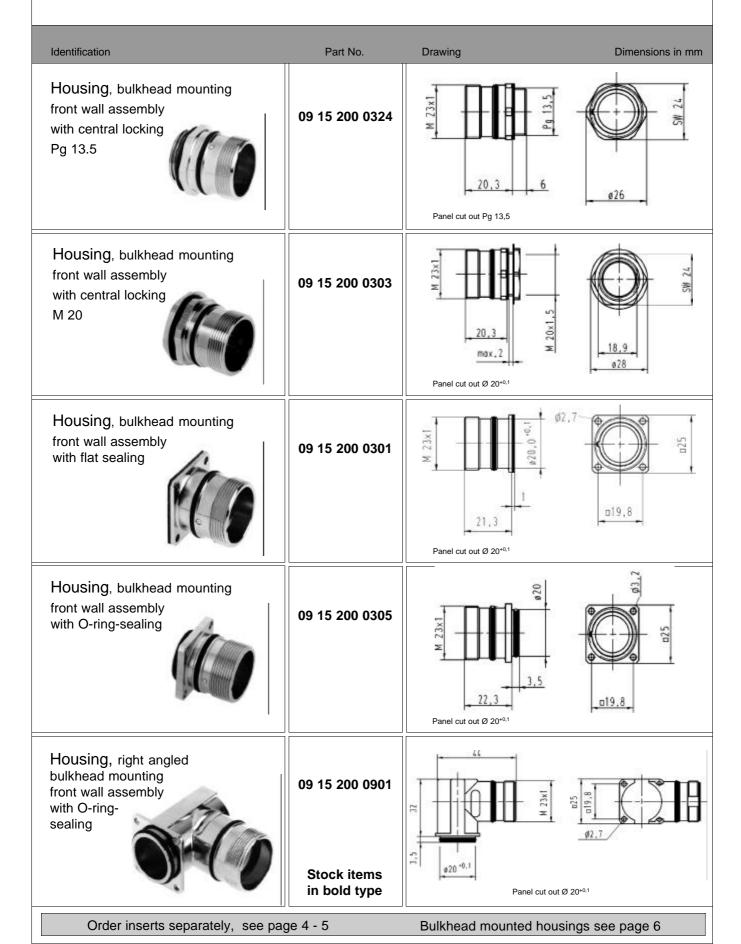


Number of Part No. Identification contacts Male inserts Female inserts Drawing Dimensions in mm					
Solder termination	12	09 15 212 2603	09 15 212 2703	Contact arrangement view: mating side (numbering in opposite direction on request)	
				M F PCB hole details:	
Crimp termination for D-Sub contacts	12	09 15 212 2602	09 15 212 2702	* S	
PCB solder termination ²⁾	12	09 15 212 2604	09 15 212 2704	3,8	
				2) Suitable only for housings, bulkhead mounting, No.: 09 15 200 0311, 09 15 200 0313 and 09 15 200 0301	
Solder termination	17	09 15 217 2603	09 15 217 2703	Contact arrangement view: mating side (numbering in opposite direction on request)	
				M F	
Crimp termination for D-Sub contacts	17	09 15 217 2602	09 15 217 2702	PCB hole details: 11,9 9.05 5,45	
PCB solder termination ²⁾	17	09 15 217 2604	09 15 217 2704	5,05	
图 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图 图				2) Suitable only for housings, bulkhead mounting, No.: 09 15 200 0311, 09 15 200 0313 and 09 15 200 0301	
Solder termination	19	09 15 219 2603	09 15 219 2703	Contact arrangement view: mating side	
				M F	
-		Stock items in bold type		1	

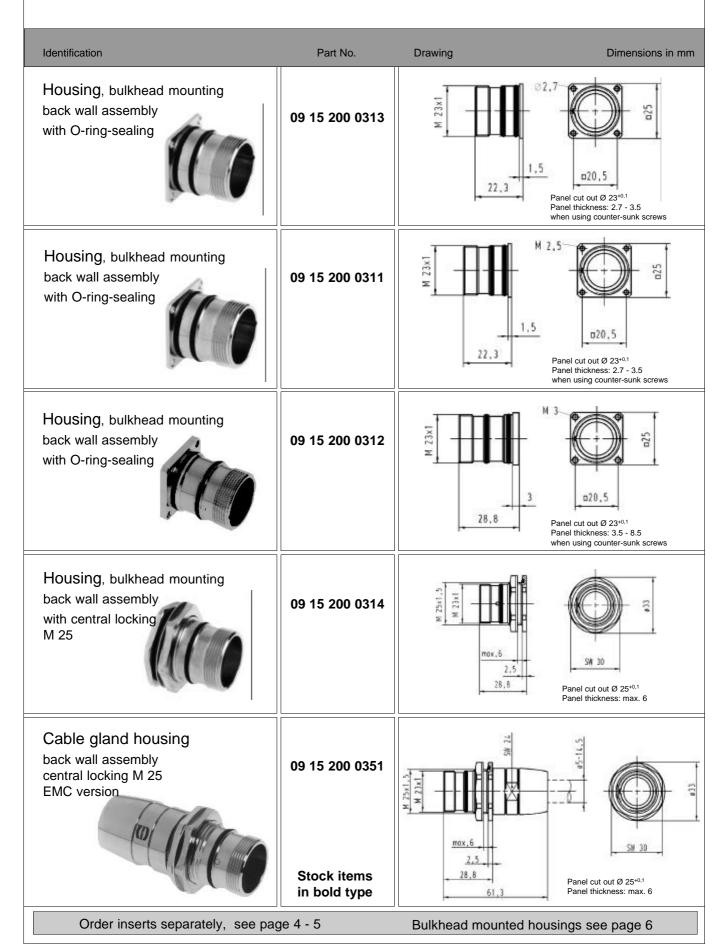




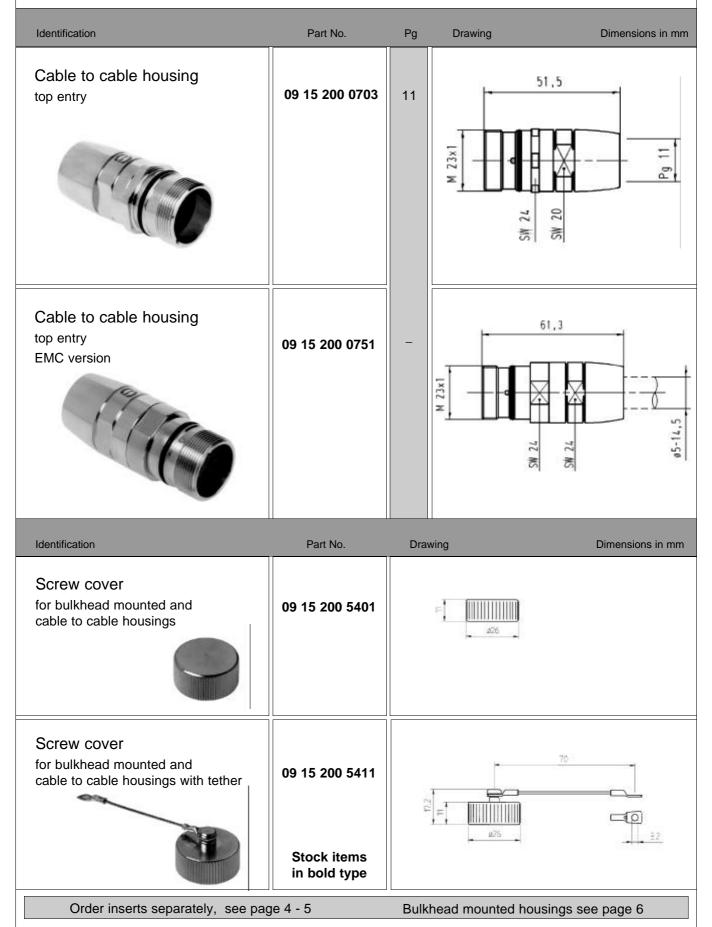












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Accessories



Cable entry protection	Part No.	Pg	Drawing	Dimensions in mm
Cable sealing metal (IP 65) with normal seal with multiple seal	09 00 000 5113	11	Suitable cable Ø 10 - 12	SW 18
000	09 00 000 5013	11	6.5 - 12	Ges 1 ED 1
Special cable clamp metal (IP 65) with strain relief and bell mouth normal seal	09 00 000 5191	11	Suitable cable Ø 8 - 12	SW 24
order separately	09 00 000 5020	11	10 - 12	
multiple seal order separately	09 00 000 5027	11	6.5 - 12	
Assembly tools	Part No.	Draw	ving	Dimensions in mm
for angled housings, bulkhead mounting	09 99 000 0324	610	13	
for bulkhead mounted and cable to cable housings	09 99 000 0325	9	70	As an alternative a wrench can be used.
for hoods	09 99 000 0326 Stock items	25	70	Alternatively for the assembly of the EMC version a
	Stock items			wrench can be used.

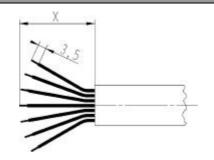
Assembly

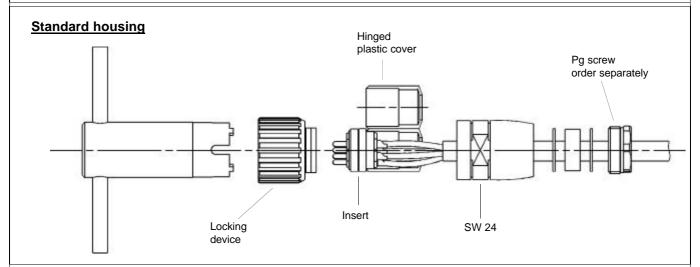


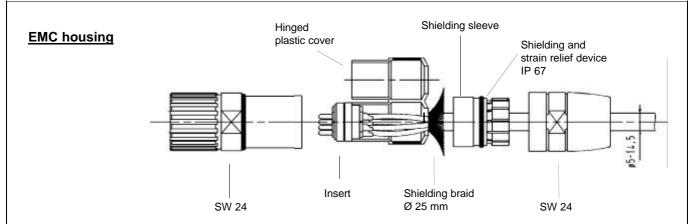
Assembly manual

Dimensions in mm

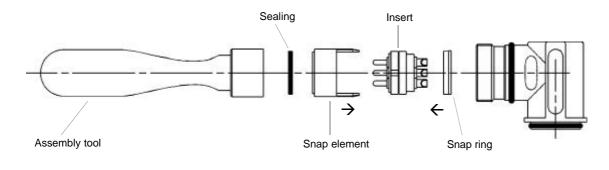
Housing	Cable Strip Length x		
09 15 200 0351	26 mm		
09 15 200 0403	20 mm		
09 15 200 0451	26 mm		
09 15 200 0603	30 mm		
09 15 200 0703	20 mm		
09 15 200 0751	26 mm		
09 15 200 0901	30 mm		







Right angled housing, bulkhead mounting





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