

Adaptor hoods for special applications

Whether as a distribution housing, as a diagnostic connector or as a minicomputer – the DGA series offers a wide range of possible applications and thus more than lives up to the term „adaptor hood“. While the extremely low-profile M11 series is particularly suitable for use as a space-saving diagnostic connector or as a gender changer, the housings of M30

series can be equipped with complete printed circuit boards or complex cabling due to their large interior space. Inotec offers a customer-specific design and PCB assembly as an option for all enclosures. In combination with the high-quality gold-plated solder cup or dip soldering connectors from Inotec, you get an individual high-tech solution.

Versatile applications of the M11 and M30 series

- Locking screws with internal thread for use as diagnostic plugs in piggy-back mounting
- Setup as DIN rail housing with design variants for accommodating blank plates with snap-in clip
- Construction as gender changer or coupling plug
- Ready-to-assemble HD 15 and HD 26 diagnostic connectors with rigid-flex board
- The 25- and 37-way M30 distributor housings are available in a ready-to-use configuration or as empty housings for individual D-Sub configuration
- The M30 series can also be used as a universal compact housing, with or without DIN rail option

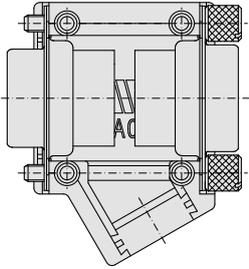




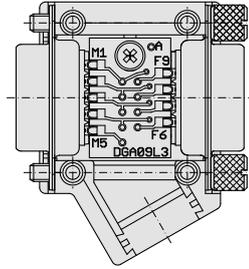
Examples for piggy-back applications

Specification

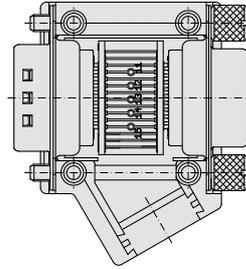
- The M11 series hoods are characterized by their particularly low design
- The standard version with locking screws allows the mounting of D-Sub or HD connectors on both sides and is therefore the perfect basis for diagnostic plugs
- The captive screws are coming with internal and external threads, optionally 4-40 UNC or M3
- Grounding point for fixation of printed circuit boards
- Standard cable entry 30°



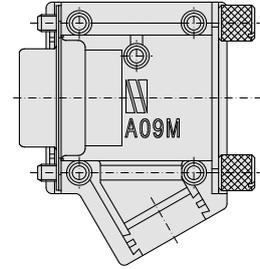
Individual setup,
e. g. with crimp
connectors



Diagnostic plug
(1:1 male - female)
or gender changer



HD 15 and HD 26
diagnostic plug
(1:1 male - female)

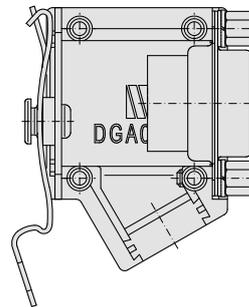


Combination with
blind plate allows use as
low-profile connector hood

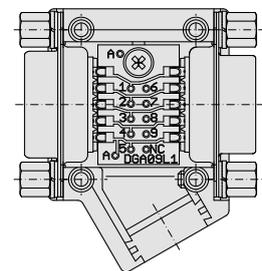
Variants without locking screws, suitable for adaptors

Specification

- All M11 housings are available as a variant with internal thread instead of locking screws
- This allows the installation of DIN rail adaptors or couplings
- If the cable entry is not in use, it can be closed with a blind plug
- Single-sided preparation for blank plate and 2x internal thread or 4x internal thread
- Optionally without grounding point



Setup with blind plate
and snap on hook as
DIN rail adaptor



Coupling connector
with threaded bolts
on both sides

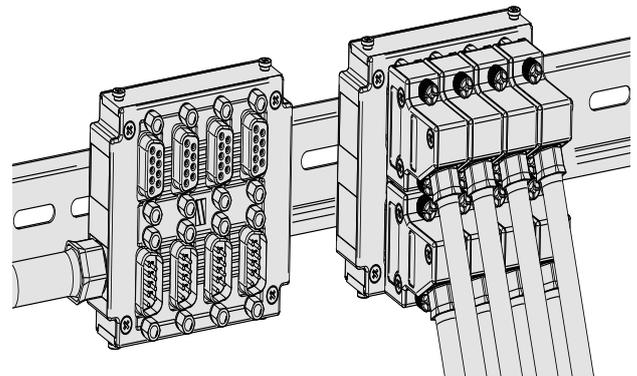
Distributor housings

Specification

- The hoods and housings of the M30 series offer sufficient space for the integration of up to 8 D-Sub connectors
- Inotec offers various variants with 1:1 cabling between one input and up to 3 output interfaces

Setup

- D-Sub IDC pin / socket as required
- Internal 1:1 cabling via ribbon cable
- Connection bolts in M3 or 4-40 UNC
- On request also with snap-in clip for DIN rail mounting



Piggy-back hoods

Series	Art.-No.	Cable entry / entries	Thread (internal / external)	Specification	Page
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D-Sub 9-way / HD 15

M11	DGA09M11	1x 30°	4-40 UNC / 4-40 UNC		61
	DGA09M11-3	1x 30°	M3 / M3		61
	DGA09M11-C110	1x 30°	4-40 UNC / 4-40 UNC	without grounding post	61
M30	DGA09M30	2x 90°	4-40 UNC / 4-40 UNC		67
	DGA09M30-91	2x 90°	M3 / M3		67

D-Sub 15-way / HD 26

M11	DGA15M11	1x 30°	4-40 UNC / 4-40 UNC		62
	DGA15M11-3	1x 30°	M3 / M3		62
	DGA15M11-C102	1x 30°	4-40 UNC / 4-40 UNC	without grounding post	62
M30	DGA15M30	2x 90°	4-40 UNC / 4-40 UNC		68
	DGA15M30-91	2x 90°	M3 / M3		68

D-Sub 25-way / HD 44

M11	DGA25M11	1x 30°	4-40 UNC / 4-40 UNC		64
	DGA25M11-3	1x 30°	M3 / M3		64
	DGA25M11-C110	1x 30°	4-40 UNC / 4-40 UNC	without grounding post	64
M30	DGA25M30	2x 90°	4-40 UNC / 4-40 UNC		69
	DGA25M30-91	2x 90°	M3 / M3		69

D-Sub 37-way / HD 62

M11	DGA37M11	1x 30°	4-40 UNC / 4-40 UNC		65
	DGA37M11-3	1x 30°	M3 / M3		65
	DGA37M11-C104	1x 30°	4-40 UNC / 4-40 UNC	without grounding post	65
M30	DGA37M30	2x 90° LH + 2x 90° RH	4-40 UNC / 4-40 UNC		73
	DGA37M30-91	2x 90° LH + 2x 90° RH	M3 / M3		73

For the use of our Inotec coding system in piggy-back applications, please contact our technical support at sales@inotec-electronics.com.

Standard packing units

Inotec full-metal hoods and accessories of the M11 and M30 series are supplied as standard in the following packing units:

	M11	M30
D-Sub 9-way / HD 15	25 pcs.	24 pcs.
D-Sub 15-way / HD 26	20 pcs.	24 pcs.
D-Sub 25-way / HD 44	15 pcs.	15 pcs.
D-Sub 37-way / HD 62	10 pcs.	1 pc.

Hoods, cover screws, grounding screws and, if included in scope of delivery, blind plugs are packed separately. On request, all Inotec products can also be supplied in individual packaging (VPE1).



DIN rail adaptors and couplings

Series	Art.-No.	Cable entry / entries	Prepared for DIN rail installation	Internal thread 4-40 UNC	incl. hexagon bolt	Specification	cod.	Page
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D-Sub 9-way / HD 15

M11	DGA09M11-C103	1x 30°	■	2x	2x 4-40 UNC		■	61
	DGA09M11-C104	1x 30°	■	2x	2x M3		■	61
	DGA09M11-C107	1x 30°	■	4x			■	62
	DGA09M11-C108	1x 30°		4x	4x 4-40 UNC		■	62
	DGA09M11-C113	1x 30°		4x	4x M3		■	62
M30	DGA09M30-C105	2x 90°	■	4x			■	67

D-Sub 15-way / HD 26

M11	DGA15M11-C103	1x 30°		4x		compatible with slide lock system		63
	DGA15M11-C107	1x 30°	■	2x	2x 4-40 UNC			63
	DGA15M11-C104	1x 30°	■	2x	2x M3			63
M30	DGA15M30-C108	2x 90°	■	4x			■	68

D-Sub 25-way / HD 44

M11	DGA25M11-C107	1x 30°	■	2x	2x 4-40 UNC	without grounding post		64
	DGA25M11-C106	1x 30°	■	2x	2x M3	without grounding post		64
	DGA25M11-C109	1x 30°		4x		compatible with slide lock system		65
M30	DGA25M30-C109	2x 90°		4x			■	69

D-Sub 37-way / HD 62

M11	DGA37M11-C102	1x 30°	■	2x	2x 4-40 UNC			66
	DGA37M11-C103	1x 30°		4x		compatible with slide lock system		66
M30	DGA37M30-C100	2x 90° LH + 2x 90° RH		4x			■	73

Distributor housings for DIN rail installation

Series	Art.-No.	Cable entry / entries	Orientation	Thread type	Specification	Page
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D-Sub 25-way / HD 44

M30	DGA25M30-C104	2x 90°	II	4-40 UNC	D-Sub 9-way / 1:1 / female - female - male	70
	DGA25M30-C103	2x 90°	II	M3	D-Sub 9-way / 1:1 / female - female - male	70
	DGA25M30-C106	2x 90°	II	4-40 UNC	D-Sub 15-way / 1:1 / female - female - male	71
	DGA25M30-C107	2x 90°	II	4-40 UNC	D-Sub 9-way / 1:1 / female - male - male	70
	DGA25M30-C108	2x 90°	II	M3	D-Sub 9-way / 1:1 / female - male - male	70
	DGA25M30-C114	2x 90°	=	4-40 UNC	D-Sub 9-way / 1:1 / male - male - female - female	71
	DGA25M30-VT3-09	2x 90°	II		preparation for 3x 9-way D-Sub connectors	72
	DGA25M30-VT4-09	2x 90°	II		preparation for 4x 9-way D-Sub connectors	72

II Cable entries with downward orientation

= Cable entries with lateral orientation

Accessories

Series	Art.-No.	Hood size	Specification	Page
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Blind plates

M11	DGA09BP	D-Sub 09 / HD 15		74
	DGA15BP	D-Sub 15 / HD 26		74
M11 / M30	DGA25BP	D-Sub 25 / HD 44		74
	DGA37BP	D-Sub 37 / HD 62		74
	DGA25/09BP	D-Sub 25 / HD 44	adaptor plate 25- to 9-way	74
	DGA25/15BP	D-Sub 25 / HD 44	adaptor plate 25- to 15-way	74
	M30	DGA09M30BP	D-Sub 09 / HD 15	
	DGA09M30BPO	D-Sub 09 / HD 15	without through hole	74
	DGA15M30BP	D-Sub 15 / HD 26		74
	DGA15M30BPO	D-Sub 15 / HD 26	without through hole	74

Blind plates with snap on hook

M11	DGA09BP-RC2	D-Sub 09 / HD 15	metal snap-on hook	75
	DGA09BP-RC3	D-Sub 09 / HD 15	metal snap-on hook, M3 threaded hole for pull-off protection	75
	DGA15BP-RC2	D-Sub 15 / HD 26		75
M11 / M30	DGA25BP-RC2	D-Sub 25 / HD 44		75
	DGA25BP-RC3	D-Sub 25 / HD 44	metal snap-on hook, M3 threaded hole for pull-off protection	75
	DGA37BP-RC2	D-Sub 37 / HD 62		75
M30	DGA09M30BPO-RC2	D-Sub 09 / HD 15	plate without through hole, metal snap-on hook	75
	DGA15M30BPO-RC2	D-Sub 15 / HD 26	plate without through hole, metal snap-on hook	75

PCB

M11	DGA09L1	D-Sub 09 / HD 15	D-Sub 9-way / 1:1 / male - female for solder-cup connectors	75
	DGA15L1	D-Sub 15 / HD 26	D-Sub 15-way / 1:1 / male - female for solder-cup connectors	75
	DGA25L1	D-Sub 25 / HD 44	D-Sub 25-way / 1:1 / male - female for solder-cup connectors	75
	DGA37L1	D-Sub 37 / HD 62	D-Sub 37-way / 1:1 / male - female for solder-cup connectors	75
	DGA09L3	D-Sub 09 / HD 15	D-Sub 9-way / 1:1 / gender changer for solder-cup connectors	75
	DGA15L3	D-Sub 15 / HD 26	D-Sub 15-way / 1:1 / gender changer for solder-cup connectors	75
	DGA25L3	D-Sub 25 / HD 44	D-Sub 25-way / 1:1 / gender changer for solder-cup connectors	75
	DGA37L3	D-Sub 37 / HD 62	D-Sub 37-way / 1:1 / gender changer for solder-cup connectors	75
	DGA15HDL1	HD 15	HD 15-way / 1:1 / male - female for solder-cup connectors	76
	DGA26HDL1	HD 26	HD 26-way / 1:1 / male - female for solder-cup connectors	76

Crimp flange adaptors

M30	CA09M30	D-Sub 09 / HD 15	CF100 adaptor for DGA09M30 for junction boxes	76
	CA09M30-C101	D-Sub 09 / HD 15	CF100 adaptor for DGA09M30 piggy-back hoods	76
	CA15M30	D-Sub 15 / HD 26	CF100 adaptor for DGA15M30 for junction boxes	76
	CA15M30-C101	D-Sub 15 / HD 26	CF100 adaptor for DGA15M30 piggy-back hoods	76



M11 / 9-way / cable entry 1x 30°

Art.-No. DGA09M11

Specification

- HF-shielding full-metal housing with labyrinth cover for 2 D-Sub connectors 9-way or HD 15
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

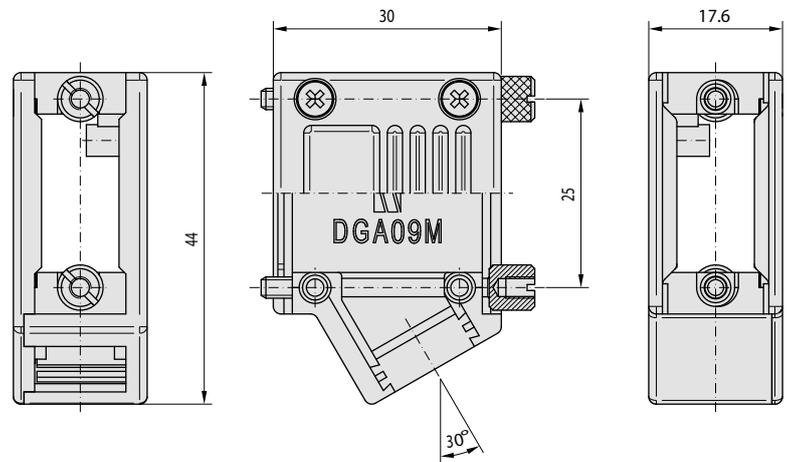
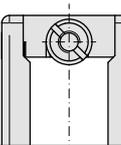
- 1 pc. metal hood with cover
- 2 pcs. knurled screws, slotted, internal / external thread 4-40 UNC
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7

Product variants

Art.-No. DGA09M11-3

Internal / external thread
M3 / M3

Art.-No. DGA09M11-C110

Internal / external thread 4-40 UNC
/ 4-40 UNC
without grounding post

M11 / 9-way / cable entry 1x 30° / for snap-on hook

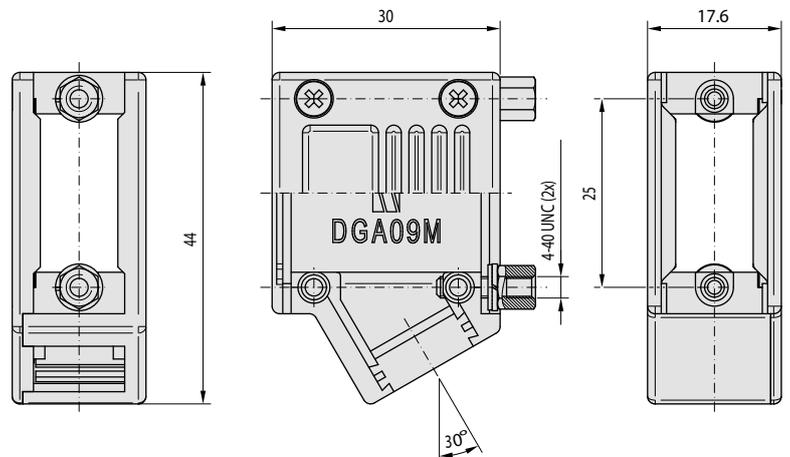
Art.-No. DGA09M11-C103

Specification

- HF-shielding full-metal housing with labyrinth cover for D-Sub connectors 9-way or HD 15
- Preparation for snap-on hook
- Hood with 2x female threads, prepared for bolts
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

- 1 pc. metal hood with cover
- 2 pcs. hexagon bolts, internal / external thread 4-40 UNC
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7



Product variants

Art.-No. DGA09M11-C104

Including 2x
hexagon bolt M3



M11 / 9-way / cable entry 1x 30° / coupling

Art.-No. DGA09M11-C107

Specification

- HF-shielding full-metal housing with labyrinth cover for 2 D-Sub connectors 9-way or HD 15
- 4x female thread for bolts, suitable for couplings
- Compatible with snap-on hook
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

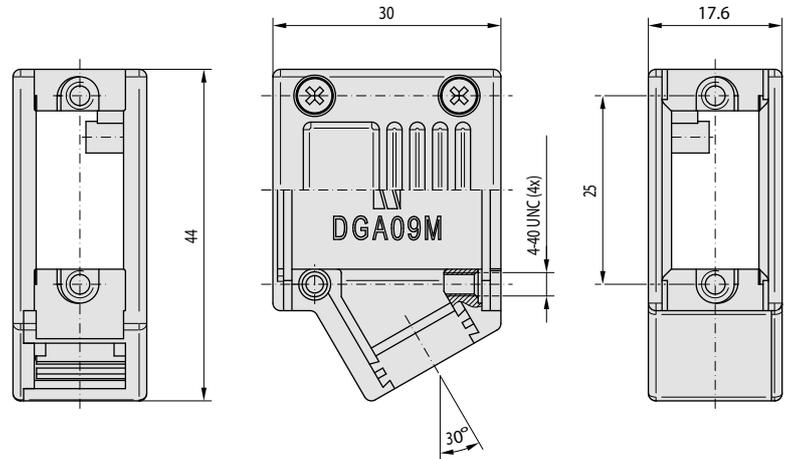
- 1 pc. metal hood with cover
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7

Product variants

Art.-No. DGA09M11-C108

Including 4x
hexagon bolt 4-40 UNC

Art.-No. DGA09M11-C113

Including 4x
hexagon bolt M3

M11 / 15-way / cable entry 1x 30°

Art.-No. DGA15M11

Specification

- HF-shielding full-metal housing with labyrinth cover for 2 D-Sub connectors 15-way or HD 26
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

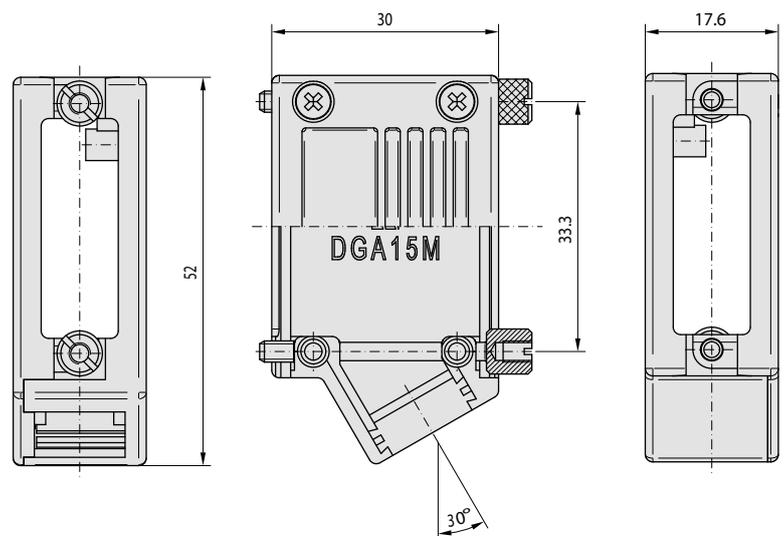
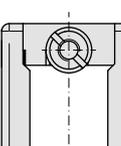
- 1 pc. metal hood with cover
- 2 pcs. knurled screws, slotted, internal / external thread 4-40 UNC
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7

Product variants

Art.-No. DGA15M11-3

Internal / external thread
M3 / M3

Art.-No. DGA15M11-C102

Internal / external
thread 4-40 UNC
/ 4-40 UNC
without grounding
post



M11 / 15-way / cable entry 1x 30° / coupling

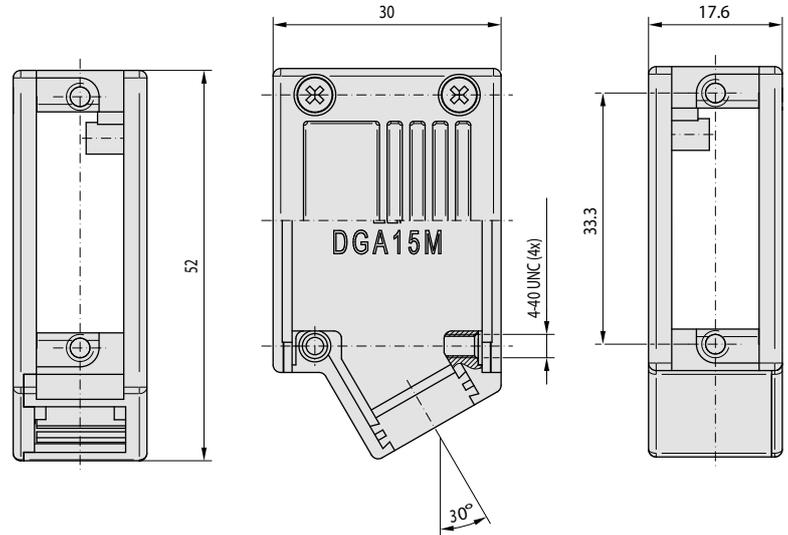
Art.-No. DGA15M11-C103

Specification

- HF-shielding full-metal housing with labyrinth cover for D-Sub connectors 15-way or HD 26
- 4x female thread for bolts, suitable for couplings
- Compatible with snap-on hood and DV15G2 slide-lock
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

- 1 pc. metal hood with cover
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7



M11 / 15-way / cable entry 1x 30° / for snap-on hook

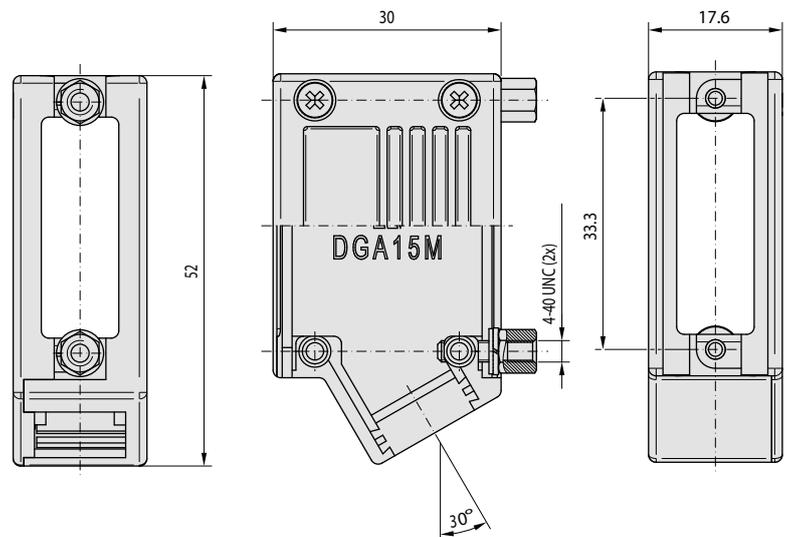
Art.-No. DGA15M11-C107

Specification

- HF-shielding full-metal housing with labyrinth cover for D-Sub connectors 15-way or HD 26
- Preparation for snap-on hook
- Hood with 2x female threads, prepared for bolts
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

- 1 pc. metal hood with cover
- 2 pcs. hexagon bolts, internal / external thread 4-40 UNC
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7



Product variants

Art.-No. DGA15M11-C104

hexagon bolt M3





M11 / 25-way / cable entry 1x 30°

Art.-No. DGA25M11

Specification

- HF-shielding full-metal housing with labyrinth cover for 2 D-Sub connectors 25-way or HD 44
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

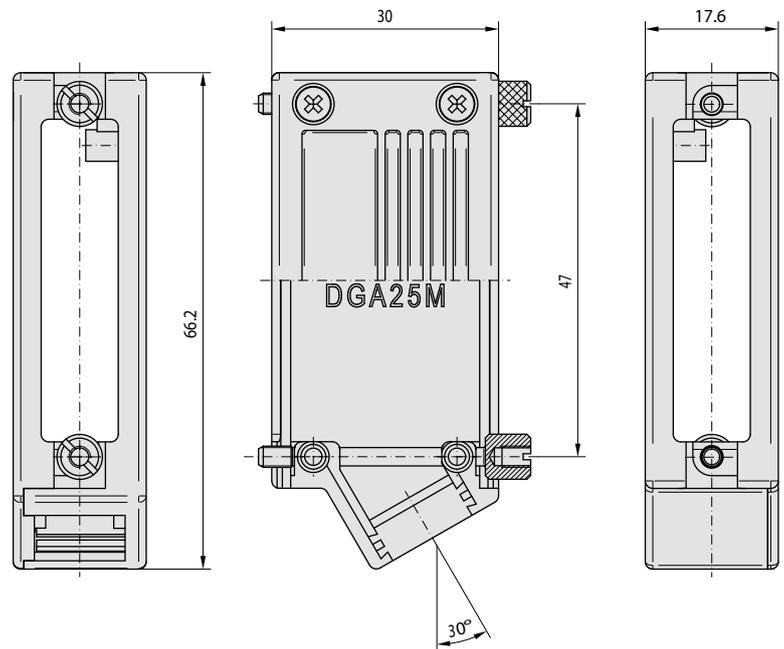
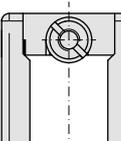
- 1 pc. metal hood with cover
- 2 pcs. knurled screws, slotted, internal / external thread 4-40 UNC
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7

Product variants

Art.-No. DGA25M11-3

Internal / external thread
M3 / M3

Art.-No. DGA25M11-C110

Internal / external thread 4-40 UNC
/ 4-40 UNC
without grounding post

M11 / 25-way / cable entry 1x 30° / for snap-on hook

Art.-No. DGA25M11-C107

Specification

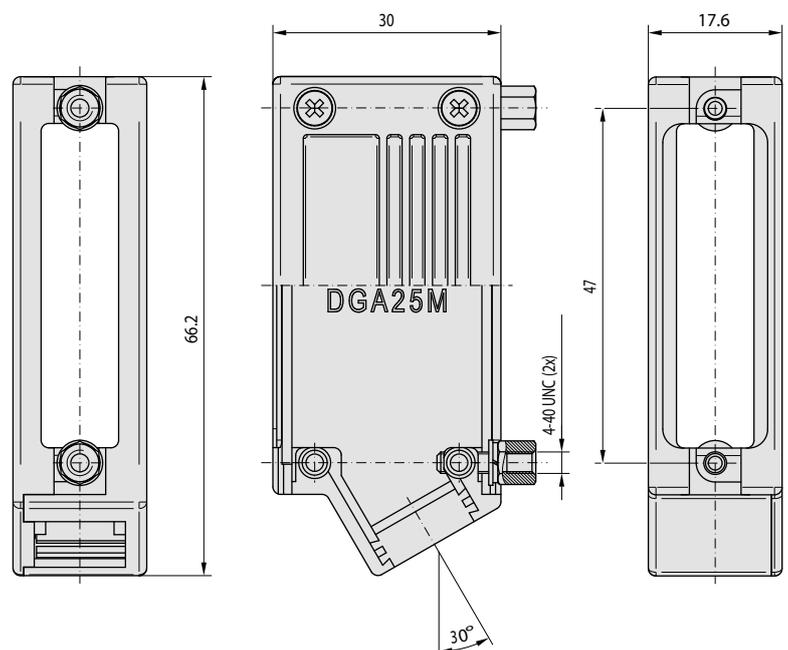
- HF-shielding full-metal housing with labyrinth cover for D-Sub connectors 25-way or HD 44
- Preparation for snap-on hook
- Hood with 2x female threads, prepared for bolts
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)
- Grounding post removed for max. inner volume

Scope of delivery

- 1 pc. metal hood with cover
- 2 pcs. hexagon bolts, internal / external thread 4-40 UNC
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7

Product variants

Art.-No. DGA25M11-C106

Including 2x
hexagon bolt M3



M11 / 25-way / cable entry 1x 30° / coupling

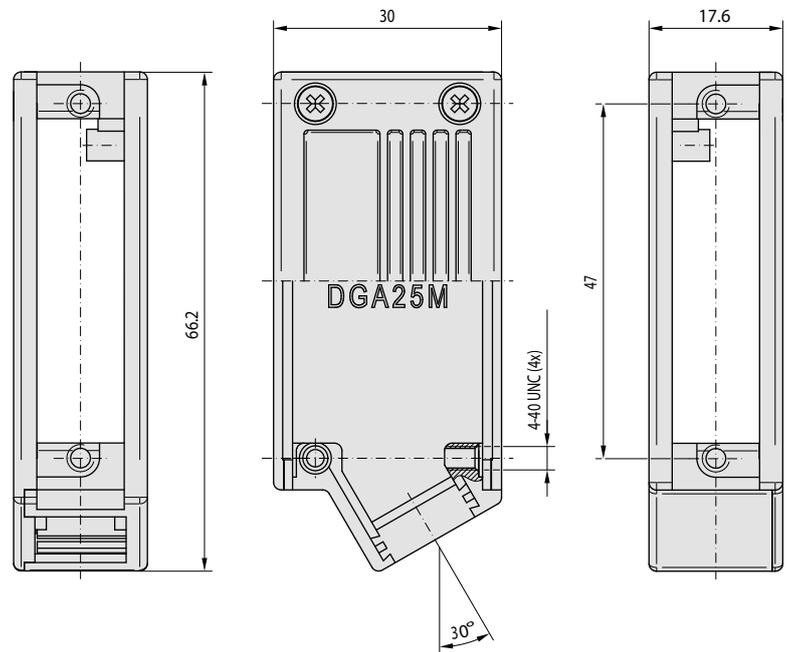
Art.-No. DGA25M11-C109

Specification

- HF-shielding full-metal housing with labyrinth cover for D-Sub connectors 25-way or HD 44
- 4x female thread for bolts, suitable for couplings
- Compatible with snap-on hood and DV25G2 slide-lock
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

- 1 pc. metal hood with cover
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7



M11 / 37-way / cable entry 1x 30°

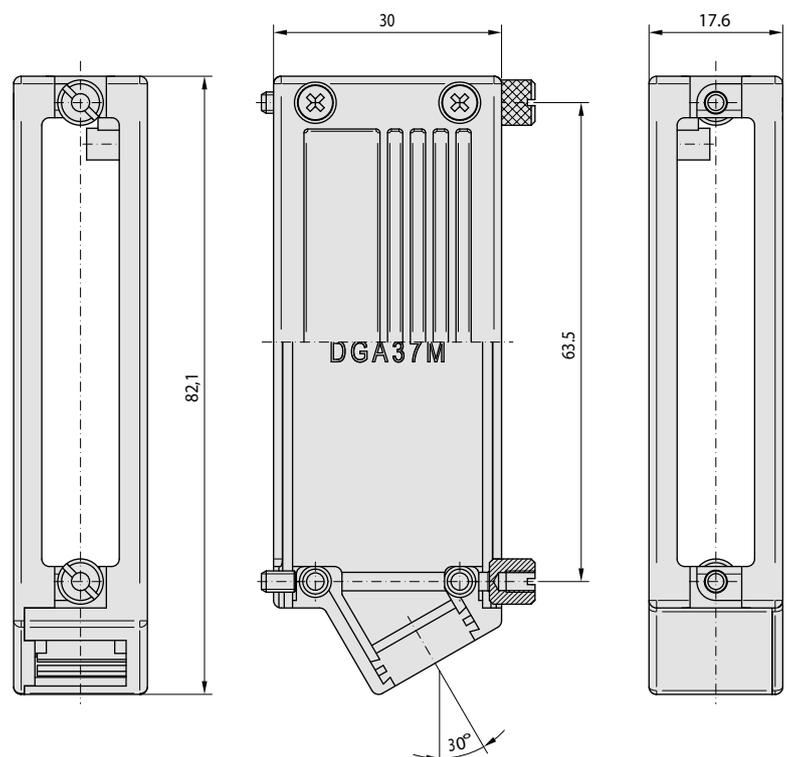
Art.-No. DGA37M11

Specification

- HF-shielding full-metal housing with labyrinth cover for 2 D-Sub connectors 37-way or HD 62
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

- 1 pc. metal hood with cover
- 2 pcs. knurled screws, slotted, Internal / external thread 4-40 UNC
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7

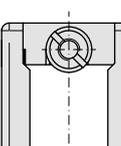


Product variants

Art.-No. DGA37M11-3

Internal / external thread
M3 / M3

Art.-No. DGA37M11-C104

Internal / external thread 4-40 UNC
/ 4-40 UNC
without grounding post



M11 / 37-way / cable entry 1x 30° / coupling

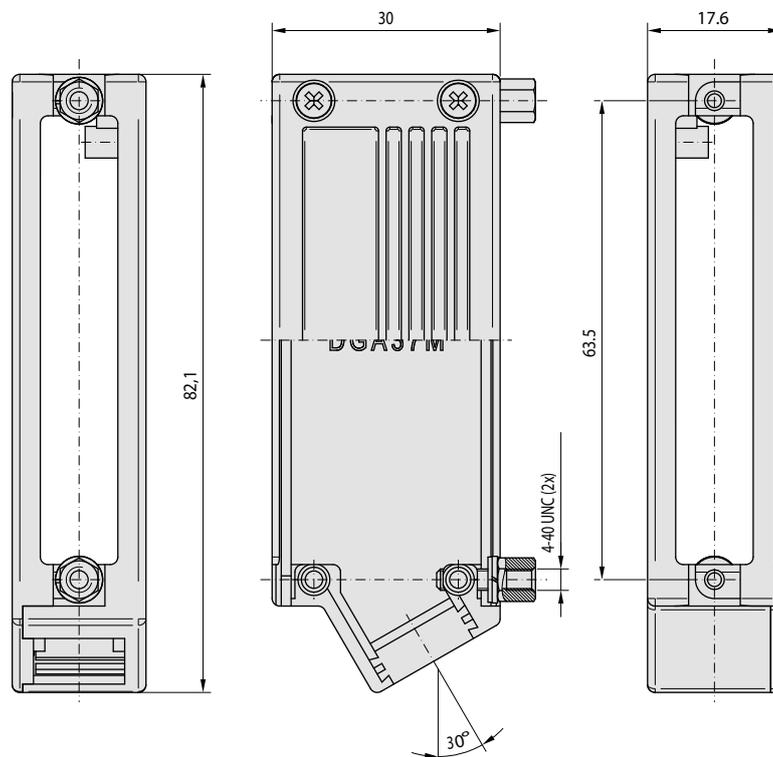
Art.-No. DGA37M11-C102

Specification

- HF-shielding full-metal housing with labyrinth cover for D-Sub connectors 37-way or HD 62
- Hood with 2x female threads, prepared for bolts
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)
- Grounding post removed for max. inner volume

Scope of delivery

- 1 pc. metal hood with cover
- 2 pcs. hexagon bolts, internal / external thread 4-40 UNC
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7



M11 / 37-way / cable entry 1x 30° / coupling

Art.-No. DGA37M11-C103

Specification

- HF-shielding full-metal housing with labyrinth cover for 2 D-Sub connectors 37-way or HD 62
- 4x female thread for bolts, suitable for couplings
- Compatible with snap-on hood and DV37G2 slide-lock
- 1 cable entry lateral (30°) for CF100 / 300 and DKS10x
- Low profile (30 mm without cable connection)

Scope of delivery

- 1 pc. metal hood with cover
- 1 pc. grounding screw M2,5x4,5
- 4 pcs. cover screws M2,5x7

