



Pushing Performance
Since 1945

D-Sub PushPull

Product Launch

D-Sub PushPull

Simplify classic connections



Highlights

- Retrofit
- PushPull
- > 50% time saving
- The Packaging
- Coding system
- Reliability

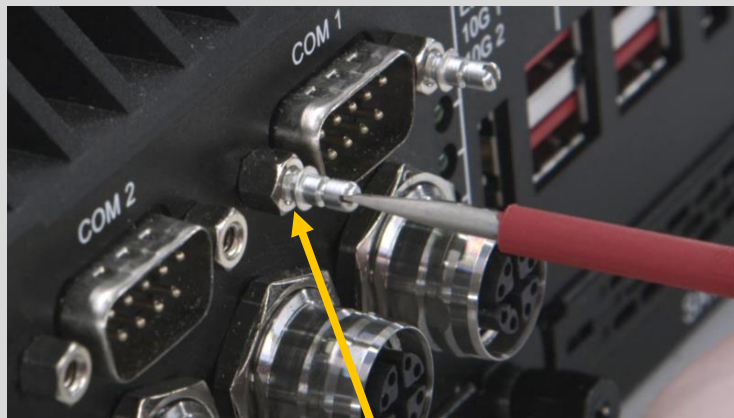


D-Sub PushPull

Simplify classic connections



Easy retrofit!



Screw the upgrade pin into the screw lock on the device side...



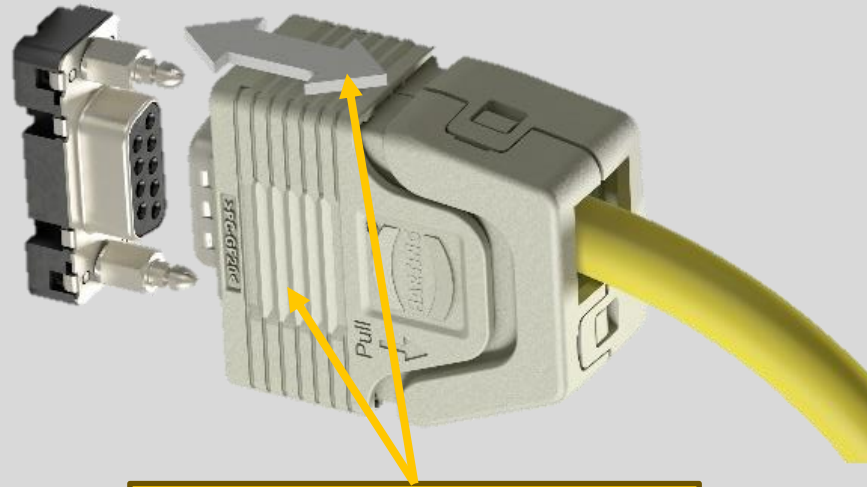
... PUSH the assembled hood onto the pins

D-Sub PushPull

Simplify classic connections



True PushPull function!



Wherever you want to grab

USP

D-Sub PushPull

Simplify classic connections

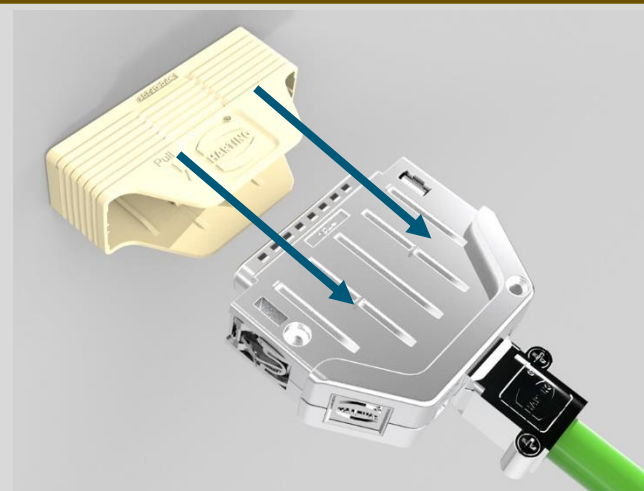


Save Time!

Screws for strain relief clamp



Easy PushPull cover assembly from the front



No screws to close the hood



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D-Sub PushPull Simplify Packaging



Packaging is important!

- Less plastic
- Clear separation
- QR-Code with link to assembly instruction

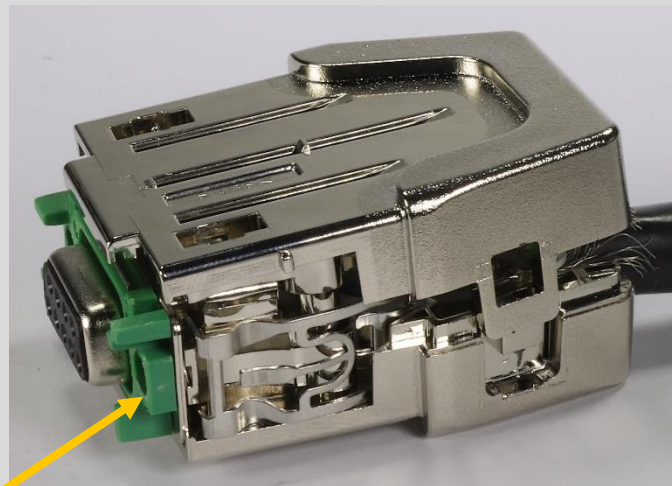
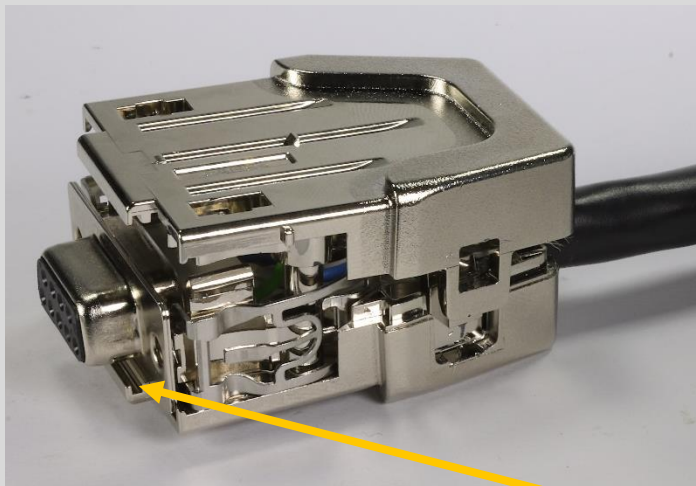


D-Sub PushPull

Simplify classic connections



No mismatching!



Versions with two slits allows the customer to implement the D-Sub coding system

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D-Sub PushPull Reliability



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Proven!



proven cable clamp resistance to cable pull and cable torsion



Shock and vibration proof as per IEC 61373 - Category 1, Class B

10.000 mating cycles*

Hold time	Result			Conclusion
	750 cycles	5000 cycles	10000 cycles	
60s	Housing not unlocked	Housing not unlocked	Housing not unlocked	Passed
	Housing not unlocked	Housing not unlocked	Housing not unlocked	Passed
	Housing not unlocked	Housing not unlocked	Housing not unlocked	Passed

* Applies to the PushPull mechanism only. D-Sub connectors are standardised to a maximum of 500 mating cycles (PL1).

D-Sub PushPull Competition



No single source!



HARTING solution offers a
true PushPull function



PushPull

There are already two fast
locking mechanisms on the
market and HARTING D-Sub
PushPull is compatible.
Only HARTING offers true
PushPull functionality.

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D-Sub PushPull

Quick Info cable side



The cable side!

- size 1, 2 and 3 (09, 15, 25 pole)
- plastic and metallized plastic version
- standard or for coding
- MOQ for hoods is 10 pcs.
- packaging is 10 pcs.
- No sample partnumbers



12 partnumbers in total



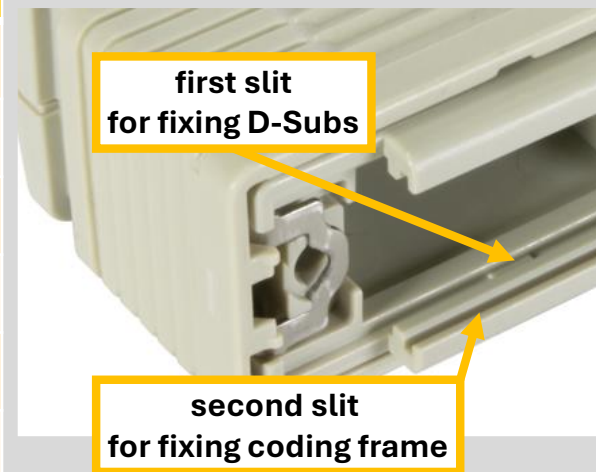
D-Sub PushPull

Quick Info cable side details



Hood overview

Hood size	Hood Type	one slit (standard)	two slit (for coding)
1	plastic	09 67 009 0200	09 67 009 0200 160
	metalized plastic	09 67 009 0210	09 67 009 0210 160
2	plastic	09 67 015 0200	09 67 015 0200 160
	metalized plastic	09 67 015 0210	09 67 015 0210 160
3	plastic	09 67 025 0200	09 67 025 0200 160
	metalized plastic	09 67 025 0210	09 67 025 0210 160



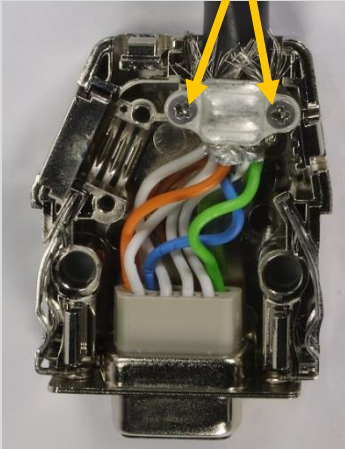
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Quick Info cable side details



Cable clamp overview

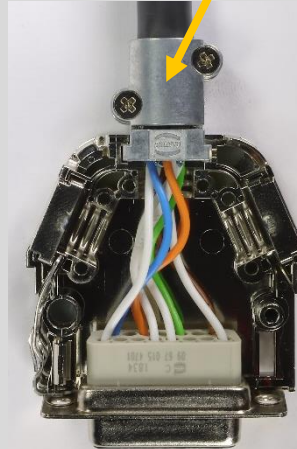
Internal strain relief clamp
always included



Cable diameter

5 - 7 mm

External strain relief clamp
to be ordered separately



Cable diameter

External
cable clamp

5 - 7 mm

61 03 000 0141

7 - 10 mm

61 03 000 0044

9 - 12 mm

61 03 000 0143

11 - 14 mm

61 03 000 0148

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Quick Info device side



The device side!

- Different locking bolts depending on type of installation
 - front mount; rear mount; upgrade pins
- standard or for coding
- MOQ for bolts is 20 pcs.
- packaging is 20 pcs.
- No sample partnumbers



34 partnumbers in total



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Quick Info device side details



Locking bolt versions for FRONT mounting

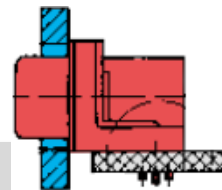
Kind of thread	Upgrade bolt	Upgrade bolt with stop	Locking bolt for thread	Locking bolt for through hole
4-40 UNC	0967 002 9170	97 00 000 2050	0967 002 9172	0967 002 9174
M3	0967 002 9171	97 00 000 2051	0967 002 9173	0967 002 9175





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Quick Info - Details device side



Locking bolt versions for REAR mounting:

Kind of thread	Panel thickness	Upgrade bolt	Upgrade bolt with stop	Locking bolt for thread	Locking bolt for through hole
4-40 UNC	0,8 -1,3	Screw too long	UNC 97 00 000 2050 M3 97 00 000 2051	97 00 000 2048	97 00 000 2052
M3	0,8 -1,3	Screw too long		97 00 000 2049	97 00 000 2053
4-40 UNC	1,5 – 1,8	Screw too long		planned*	planned*
M3	1,5 – 1,8	Screw too long		planned*	planned*
4-40 UNC	2,2 – 2,5	Screw too long		planned*	planned*
M3	2,2 – 2,5	Screw too long		planned*	planned*

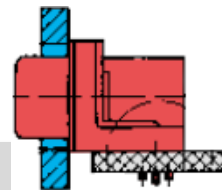


*** on base of customer request**



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Quick Info - Details device side



Locking bolt versions for coding frames

Kind of thread	Panel thickness	Upgrade bolt	Upgrade bolt with stop	Locking bolt for thread	Locking bolt for through hole
4-40 UNC	0,8 -1,3	Screw too long	UNC 97 00 000 2050 M3 97 00 000 2051	97 00 000 2038	planned*
M3	0,8 -1,3	Screw too long		97 00 000 2039	planned*
4-40 UNC	1,5 – 1,8	Screw too long		planned*	planned*
M3	1,5 – 1,8	Screw too long		planned*	planned*
4-40 UNC	2,2 – 2,5	Screw too long		planned*	planned*
M3	2,2 – 2,5	Screw too long		planned*	planned*



For coding elements, a special bolt is required

round



D-Sub PushPull Promotion



Watch our Videos!



[Demonstration](#)



[Internal strain relief
assembly](#)



[External strain relief
assembly](#)



D-Sub PushPull

Simplify classic connections



Features at a glance

- Available in plastic and metallized plastic versions in sizes 09, 15, and 25
- Suitable for D-Sub Standard, D-Sub mixed, D-Sub High-Density, and more
- Tool-free installation with screwless assembly for simple connectivity
- Shock and vibration proof as per IEC 61373 - Category 1, Class B
- Choice of internal or external cable clamp
- Cable diameter up to 14 mm
- Up to 3 cable entries
- Compatible with HARTING coding system, offering up to 36 variations
- True PushPull function

USP



Pushing Performance

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Thank you
for your attention!