



Plugged in – connection to the process

Today's machines often need to be connected to external devices. No matter if it is a connection to the control terminal for set-up/diagnostics or during the process for parameterization/optimization, the MSDD front panel interface offers you the optimal data and supply connection on the spot.

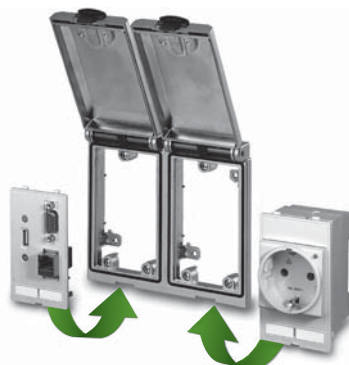
With help of the MSDD front panel interface your laptop, programming device, diagnostic equipment, PC, printer, network or modem can be easily connected to the PLC.

MSDD avoids additional and improvised cabling and ensures problem free operation. The switch cabinet stays closed, and your switch cabinet components are operated using the prescribed protection class.

The modular system – your flexible solution

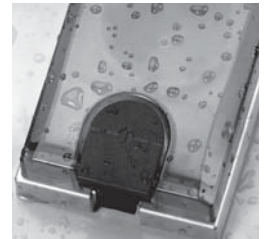
Whether it is in the control terminal or in the control cabinet, Murrelektronik offers you a flexible configuration to meet your requirements – reliable and professional. The modular design makes redesigning and upgrading easy to do at any time. Make use of this tried and tested standard! You have the choice of well over 4,000 different combinations. From plug socket to Ethernet connection – you are certain to find your connection to the outside world. This is the best possible way to comply with special customer requests.

The inserts can be snapped in. Some outlets have to be screw-mounted due to the high tensile force. No special tool is needed. The frames and inserts are supplied with label plates providing a service friendly labelling of the ports.



Tight – and with full visibility

The new connecting mechanism of the transparent MSDD with integrated locking mechanism allows the components to be used under protection class IP65. This protection class prevents penetration by dust and moisture when equipment is being cleaned. Even in the closed position, the transparent cover provides a full view of LEDs and data connector inserts.



The modular system – your flexible solution

You can order components such as frame and inserts separately or as a set. The storagekeeping of individual components offers a high flexibility. Modlink MSDD set especially suits for project related arrangements. We put together the correct combination for you - from 1 piece onwards.

Advantage:

- can be subjected to considerable mechanical strain
- flat, professional design
- high temperature resistance
- single and double versions
- power sockets for European and international markets
- clear identification
- operating voltage indicator
- EMC shielding for data leads
- available in protection class IP65

How to create your order number

The catalog number stipulates whether you are ordering modules such as sockets, plug-in data connector inserts or frames individually or in sets. The catalog numbers of the individual components can be found on the following pages. Both modules and sets can be ordered in quantities of 1 or more.

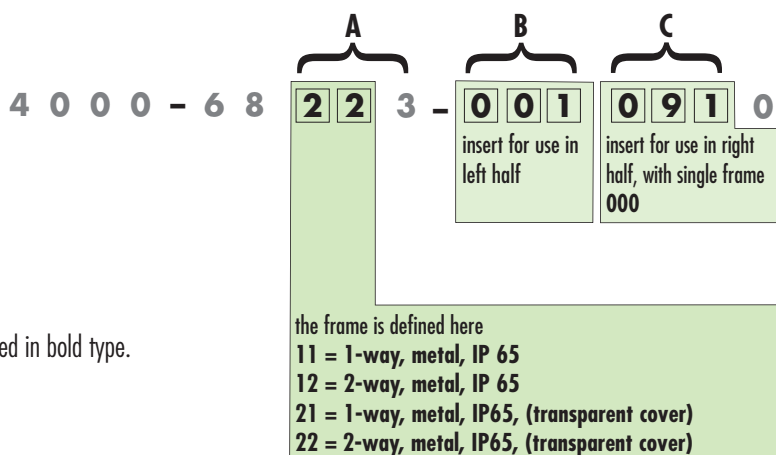
The set

The catalog number for the set consists of number blocks **A**, **B** and **C** printed in bold type.

Block A: frame (e.g. **4000-68223-0000000**)

Block B: insert 1 (e.g. **4000-68000-0010000**)

Block C: insert 2 (e.g. **4000-68000-0910000**)



Frame



1-way and 2-way frame using in connection with sockets and data plug connector

page 3.10.3

Accessories



Plug sockets

All international plug sockets.
 With screw terminals or spring clamp terminals.
 With LED indicator.

page 3.10.4



Data connection inserts

Large selection of different interface modules such as RJ45, SUB-D, USB and more.
 Solder- and pluggable.

from page 3.10.6



Blind plates/Accessories

Flat and low blind plates for producing own variants.
 Cable connection for control panels.
 Gender Changer for expansion or modification.

page 3.10.12

Frame
representative version

1-way silver



1-way transparent



Ordering data	Art.-No.	Art.-No.
	4000-68113-0000000	4000-68213-0000000
Description		
Shielded	yes	yes, shielded
Protection	IP 65	
Material	zinc pressure diecasting, refining surface ¹⁾	
Suitable for wall thickness	1...5 mm	
Dimensions (outside) (H x W x D)	114 x 66 x 32...62 mm (element dependent)	
Temperature range	-10...+60 °C	
Storage temperature	-25...+60 °C	
Dimension drawing		
Wall cut-out (——) for mounting is not centered		
to the outer edge (-----) of the front panel		
Suitable for wall thickness 1...3 mm		
Mounting depth depends on outlet type		

Frame
representative version

2-way silver



2-way transparent



Ordering data	Art.-No.	Art.-No.
	4000-68123-0000000	4000-68223-0000000
Description		
Shielded	yes	yes, shielded
Protection	IP 65	
Material	zinc pressure diecasting, refining surface ¹⁾	
Suitable for wall thickness	1...5 mm	
Dimensions (outside) (H x W x D)	114 x 131 x 32...62 mm (element dependent)	
Temperature range	-10...+60 °C	
Storage temperature	-25...+60 °C	
Dimension drawing		
Wall cut-out (——) for mounting is not centered		
to the outer edge (-----) of the front panel		
Suitable for wall thickness 1...3 mm		
Mounting depth depends on outlet type		

Notes

¹⁾ Different shinings possible due to manufacturing process.

Plug sockets



	VDE	VDE	VDE yellow	VDE
				
Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0010000	4000-68000-0160000	4000-68000-0020000	4000-68000-0140000
Description				
	with LED supply indicator, screw terminals max. 6 mm ² , connection at the rear	VDE without LED, spring clamp term. max. 2 x 2.5 mm ² , yellow (RAL 1016), connection at the rear	for installing in front of main switch, signal orange (RAL 2003), screw terminals max. 6 mm ² , connection at the rear	for installing in front of main switch, screw terminals max. 6 mm ² , connection at the rear
Max. nominal voltage	250 V AC			
Nominal frequency	50 Hz			
Max. nominal current	10...16 A			
Indication	yellow	—	—	yellow
Mounting depth assembled	approx. 62 mm	approx. 25 mm	approx. 62 mm	approx. 62 mm

Plug sockets



	UTE	UTE	UTE	
				
Ordering data	Art.-No.	Art.-No.	Art.-No.	
	4000-68000-0050000	4000-68000-0130000	4000-68000-0150000	
Description				
	with LED supply indicator, screw terminals max. 6 mm ² , connection at the rear	color red, protected from touching, screw terminals max. 2.5 mm ²	for installing in front of main switch, signal orange (RAL 2003), screw terminals max. 6 mm ²	
Max. nominal voltage	250 V AC			
Nominal frequency	50 Hz			
Max. nominal current	10...16 A			
Indication	yellow	—	yellow	
Mounting depth assembled	approx. 62 mm	approx. 25 mm	approx. 62 mm	

Plug sockets



	USA (NEMA 5-15)	USA (NEMA 5-15)		
				
Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0030000	4000-68000-0040000	4000-68000-0110000	4000-68000-0100000
Description				
	with pluggable soldering connection 4.8 x 0.8 mm	with touch protection and screw terminals, max. AWG14 (2.5 mm ²)	fuse 3 A, with pluggable soldering connection, phase 6.3 x 0.8 mm; N, PE 4.8 x 0.8 mm	with screw terminals max. 2.5 mm ²
Max. nominal voltage	125 V AC			
Nominal frequency	60 Hz			
Max. nominal current	15 A	15 A	3 A	15 A
Indication	—			
Mounting depth assembled	approx. 25 mm	approx. 25 mm	approx. 55 mm	approx. 20 mm

Notes

Modlink MSDD front panel interfaces

Plug sockets



Great Britain (BS)



Italy (CEI 23-16)



Denmark



Switzerland



Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0060000	4000-68000-0070000	4000-68000-0170000	4000-68000-0120000
Description				
	with touch-protection and screw terminals max. 4 mm ²	with touch-protection and screw terminals max. 2.5 mm ²	spring terminals max. 2 x 2.5 mm ² , connection at the rear	with screw terminals max. 2.5 mm ²
Max. nominal voltage	250 V AC			
Nominal frequency	50/60 Hz	50 Hz	50 Hz	50 Hz
Max. nominal current	13 A	10...16 A	10 A	10 A
Indication	—			
Mounting depth assembled	approx. 20 mm	approx. 25 mm	approx. 25 mm	approx. 25 mm

Plug sockets



Ordering data	Art.-No.
	4000-68000-0100000
Description	
	with screw terminals max. 2.5 mm ²
Max. nominal voltage	250 V AC
Nominal frequency	50/60 Hz
Max. nominal current	15 A
Indication	—
Mounting depth assembled	approx. 25 mm

Plug sockets



Australia



Ordering data	Art.-No.
	4000-68000-0090000
Description	
	with screw terminals max. 2.5 mm ²
Max. nominal voltage	250 V AC
Nominal frequency	50/60 Hz
Max. nominal current	10 A
Indication	—
Mounting depth assembled	approx. 30 mm

Notes

Modlink MSDD front panel interfaces

Data connection inserts representative version

SUB-D9



SUB-D9

SUB-D9; SUB-D9

SUB-D9; SUB-D9

Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0230000	4000-68000-0240000	4000-68000-0200000	4000-68000-0210000
Description				
	1 x soldering connection, female, 1 x SUB-D9 blank cover	1 x female/female	2 x female/male	2 x soldering connection, female
Shielded	no			
Max. nominal voltage / nominal current	SUB-D 125 V AC/150 V DC / 3 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ²			
Locking	SUB-D UNC 4...40 bolt			
Specification	SUB-D DIN41652/IEC807			
Mounting depth assembled	approx. 32 mm			

Data connection inserts

SUB-D9; SUB-D9



SUB-D9; SUB-D15



Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0220000	4000-68000-0250000	4000-68000-0260000	4000-68000-0300000
Description				
	1 x soldering connection, female, 1 x soldering connection, male	1 x female/female, 1 x male/male	2 x female/female	2 x female/male
Shielded	no			
Max. nominal voltage / nominal current	SUB-D 125 V AC/150 V DC / 3 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ²			
Locking	SUB-D UNC 4...40 bolt			
Specification	SUB-D DIN41652/IEC807			
Mounting depth assembled	approx. 32 mm			

Data connection inserts

SUB-D9; SUB-D15



SUB-D9; SUB-D25



Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0310000	4000-68000-0320000	4000-68000-0400000	4000-68000-0410000
Description				
	2 x soldering connection, female	2 x female/female	2 x female/male	2 x soldering connection, female
Shielded	no			
Max. nominal voltage / nominal current	SUB-D 125 V AC/150 V DC / 3 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ²			
Locking	SUB-D UNC 4...40 bolt			
Specification	SUB-D DIN41652/IEC807			
Mounting depth assembled	approx. 32 mm			

Notes

Modlink MSDD front panel interfaces

Data connection inserts representative version

SUB-D9; SUB-D25



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SUB-D15



c_{us}

SUB-D15; SUB-D15

SUB-D15; SUB-D15

c_{us}

c_{us}

Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0420000	4000-68000-0530000	4000-68000-0500000	4000-68000-0510000
Description				
	1 x soldering connect. SUB-D9, male, 1 x soldering connect. SUB-D25, fem.	1 x soldering connection, female, 1 x SUB-D9 blank cover	2 x female/male	2 x soldering connection, female
Shielded	no			
Max. nominal voltage / nominal current	SUB-D 125 V AC/150 V DC / 3 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ²			
Locking	SUB-D UNC 4...40 bolt			
Specification	SUB-D DIN41652/IEC807			
Mounting depth assembled	approx. 32 mm			

Data connection inserts

SUB-D15; SUB-D25



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SUB-D25



c_{us}

Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0600000	4000-68000-0610000	4000-68000-0730000	4000-68000-0740000
Description				
	2 x female/male	2 x soldering connection, female	1 x soldering connection, female, 1 x SUB-D9 blank cover	1 x female/male 1 x SUB-D9 blank cover
Shielded	no			
Max. nominal voltage / nominal current	SUB-D 125 V AC/150 V DC / 3 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ²			
Locking	SUB-D UNC 4...40 bolt			
Specification	SUB-D DIN41652/IEC807			
Mounting depth assembled	approx. 32 mm			

Data connection inserts

SUB-D25; SUB-D25



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SUB-D15 HD; PS2; PS2

SUB-D15 HD; PS2



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Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0700000	4000-68000-0710000	4000-68000-0800000	4000-68000-0810000
Description				
	2 x female/male	2 x soldering connection, female	1 x 15 HD female/male (VGA), 2 x PS2, 6-pol. soldering connection	1 x 15 HD soldering conn., fem.(VGA), 1 x PS2, 6-pol. soldering connection
Shielded	no			
Max. nominal voltage / nominal current	SUB-D 125 V AC/150 V DC / 3 A; PS2 30 V AC/DC / 1 A; SUB-D HD 60 V AC/DC / 1.5 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ² ; PS2 AWG 24/0.22 mm ²			
Locking	SUB-D UNC 4...40 bolt; PS2 snap-in			
Specification	SUB-D DIN41652/IEC807			
Mounting depth assembled	approx. 32 mm			

Notes

Modlink MSDD front panel interfaces

Data connection inserts representative version

	RJ45	RJ45; RJ45	RJ45; USB F-A	RJ45; SUB-D9
				
				
Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-1210000	4000-68000-1200000	4000-68000-1310000	4000-68000-1410000
Description				
	1 x RJ45 8-pol. metal, CAT5e, 1 x SUB-D9 blank cover	2 x RJ45 8-pol. metal, CAT5e	1 x RJ45 8-pol. metal, CAT5e 1 x USB female/female (form A)	1 x RJ45 8-pol. metal, female/female 1 x SUB-D9, female/female
Shielded	no	yes	yes	yes
Max. nominal voltage / nominal current	RJ45 48 V AC/DC / 1 A; USB 30 V AC/DC / 1 A; SUB-D 125 V AC/150 V DC / 3 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ²			
Locking	RJ45 staple for the bolt; USB snap-in; SUB-D UNC 4...40 bolt			
Specification	RJ45 CAT5e (100 MHz resp. MBit/s); USB 2.0 / type 2dB; SUB-D DIN41652/IEC807			
Mounting depth assembled	RJ45 approx. 32 mm; USB approx. 80 mm; SUB-D approx. 32 mm			

Data connection inserts representative version

	RJ45; USB F-A; SUB-D9	RJ45; PS2; PS2	RJ45; USB F-A; PS2; PS2	
				
Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-1430000	4000-68000-1440000	4000-68000-1510000	4000-68000-1530000
Description				
	1 x RJ45 8-pol. metal, CAT5e 1 x USB female/female (form A) 1 x SUB-D9, female/male	1 x RJ45 8-pol. metal, CAT5e 1 x USB female/female (form A) 1 x SUB-D9, female/female	1 x RJ45 8-pol. metal, female/female 2 x PS2, 6-pol. soldering connection	1 x RJ45 8-pol. metal, CAT5e, 1 x USB female/female (form A) 2 x PS2
Shielded	yes	yes	no	yes
Max. nominal voltage / nominal current	RJ45 48 V AC/DC / 1 A; USB 30 V AC/DC / 1 A; SUB-D 125 V AC/150 V DC / 3 A; PS2 30 V AC/DC / 1 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ² ; PS2 AWG 24/0.22 mm ²			
Locking	RJ45 staple for the bolt; USB snap-in; SUB-D UNC 4...40 bolt; PS2 snap-in			
Specification	RJ45 CAT5e (100 MHz resp. MBit/s); USB 2.0 / type 2dB; SUB-D DIN41652/IEC807			
Mounting depth assembled	RJ45 approx. 32 mm; USB approx. 80 mm; SUB-D approx. 32 mm; PS2 approx. 32 mm			

Notes	
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Modlink MSDD front panel interfaces

Data connection inserts representative version

RJ45; RJ45; SUB-D25



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RJ45; SUB-D9; SUB-D25



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RJ45; BNC; SUB-D9



Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-1600000	4000-68000-1700000	4000-68000-1800000	4000-68000-1810000
Description				
	2 x RJ45 8-pol. metal, CAT5e 1 x SUB-D25 female/male	1 x RJ45 8-pol. metal, CAT5e 1 x SUB-D9 female/male 1 x SUB-D25 female/male	1 x RJ45 8-pol. metal, CAT5e 1 x BNC, female/female 1 x SUB-D9 female/male	1 x RJ45 8-pol. metal, CAT5e 1 x BNC, female/female 1 x SUB-D9 female/female
Shielded	yes	no	yes	no
Max. nominal voltage / nominal current	RJ45 48 V AC/DC / 1 A; SUB-D 125 V AC/150 V DC / 3 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0,5 mm ²			
Locking	RJ45 staple for the bolt; SUB-D UNC 4...40 bolt			
Specification	RJ45 CAT5e (100 MHz resp. MBit/s); SUB-D DIN41652/IEC807			
Mounting depth assembled	RJ45 approx. 32 mm; SUB-D approx. 32 mm			

Data connection inserts representative version

RJ45; RJ12; USB F-A



RJ45; RJ12; SUB-D25



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RJ45; SUB-D9, SUB-D9

RJ45; RJ12; SUB-D9

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Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0910000	4000-68000-1100000	4000-68000-1110000	4000-68000-1120000
Description				
	1 x RJ45 8-pol. metal, CAT5e 1 x RJ12 6-pol. plastic 2 x USB female/female (form A)	1 x RJ45 8-pol. metal, CAT5e 1 x RJ12 6-pol. plastic 1 x SUB-D25, female/male	1 x RJ45 8-pol. metal, CAT5e 1 x SUB-D9, female/female 1 x SUB-D9, male/male	1 x RJ45 8-pol. metal, CAT5e 1 x RJ12 6-pol. plastic 1 x SUB-D9, female/female
Shielded	yes	no	no	yes
Max. nominal voltage / nominal current	RJ45 48 V AC/DC / 1 A; RJ12 48 V AC/DC / 1 A; USB 30 V AC/DC / 1 A; SUB-D 125 V AC/150 V DC / 3 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ²			
Locking	RJ45 staple for the bolt; RJ12 staple for the bolt; USB snap-in; SUB-D UNC 4...40 bolt			
Specification	RJ45 CAT5e (100 MHz resp. MBit/s); USB 2.0 / type 2dB; SUB-D DIN41652/IEC807			
Mounting depth assembled	RJ45 approx. 32 mm; RJ12 approx. 32 mm; USB approx. 80 mm; SUB-D approx. 32 mm			

Notes

Data connection inserts representative version

USB F.-A



USB F.-A; USB F.-A

USB F.-A; SUB-D25



USB F.-A; RJ45



Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0920000	4000-68000-0930000	4000-68000-1010000	4000-68000-1310000
Description	1 x USB female/female (form A)	2 x USB female/female (form A)	1 x USB female/female (form A) 1 x SUB-D25, female/male	1 x USB female/female (form A) 1 x RJ45 8-pol. metal, CAT5e
Shielded	yes			
Max. nominal voltage / nominal current	USB 30 V AC/DC / 1 A; SUB-D 125 V AC/150 V DC / 3 A; RJ45 48 V AC/DC / 1 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ²			
Locking	USB snap-in; SUB-D UNC 4...40 bolt; RJ45 staple for the bolt			
Specification	USB 2.0 / type 2dB; SUB-D DIN41652/IEC807; RJ45 CAT5e (100 MHz resp. MBit/s)			
Mounting depth assembled	USB approx. 80 mm; SUB-D approx. 32 mm; RJ45 approx. 32 mm			

Data connection inserts representative version

USB F.-A; RJ45; RJ12



USB F.-A; RJ45; SUB-D9 USB F.-A; RJ45; PS2; PS2



Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-0910000	4000-68000-1430000	4000-68000-1440000	4000-68000-1530000
Description	2 x USB female/female (form A) 1 x RJ45 8-pol. metal, CAT5e 1 x RJ12 6-pol. plastic	1 x USB female/female (form A) 1 x RJ45 8-pol. metal, CAT5e 1 x SUB-D9, female/male	1 x USB female/female (form A) 1 x RJ45 8-pol. metal, CAT5e 1 x SUB-D9, female/female	1 x USB female/female (form A) 1 x RJ45 8-pol. metal, CAT5e 2 x PS2
Shielded	yes			
Max. nominal voltage / nominal current	USB 30 V AC/DC / 1 A; RJ45 48 V AC/DC / 1 A; RJ12 48 V AC/DC / 1 A; SUB-D 125 V AC/150 V DC / 3 A; PS2 30 V AC/DC / 1 A			
Max. wire diameter for soldering connection	SUB-D AWG 20/0.5 mm ² ; PS2 AWG 24/0.22 mm ²			
Locking	USB snap-in; RJ45 staple for the bolt; RJ12 staple for the bolt; SUB-D UNC 4...40 bolt; PS2 snap-in			
Specification	USB 2.0 / type 2dB; RJ45 CAT5e (100 MHz resp. MBit/s); SUB-D DIN41652/IEC807			
Mounting depth assembled	USB approx. 80 mm; RJ45 approx. 32 mm; RJ12 approx. 32 mm; SUB-D approx. 32 mm; PS2 approx. 32 mm			

Notes	
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Modlink MSDD front panel interfaces

Data connection inserts representative version

PS2; PS2; SUB-D25



PS2; SUB-D15 HD



PS2; PS2; SUB-D15 HD

PS2; PS2; RJ45



Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-1500000	4000-68000-0810000	4000-68000-0800000	4000-68000-1510000
Description				
	2 x PS2, 6-pol. soldering connection 1 x SUB-D25 female/male	1 x PS2, 6-pol. soldering connection 1 x 15 HD soldering connection, female (VGA)	2 x PS2, 6-pol. soldering connection 1 x 15 HD female/male (VGA)	2 x PS2, 6-pol. soldering connection 1 x RJ45 8-pol. metal, female/female
Shielded	no			
Max. nominal voltage / nominal current	PS2 30 V AC/DC / 1 A; SUB-D 125 V AC/150 V DC / 3 A; SUB-D HD 60 V AC/DC / 1.5 A; RJ45 48 V AC/DC / 1 A			
Max. wire diameter for soldering connection	PS2 AWG 24/0.22 mm ² ; SUB-D AWG 20/0.5 mm ²			
Locking	PS2 snap-in; SUB-D UNC 4...40 bolt; RJ45 staple for the bolt			
Specification	SUB-D DIN41652/IEC807; RJ45 CAT5e (100 MHz est.MBit/s)			
Mounting depth assembled	PS2 approx. 32 mm; RJ45 approx. 32 mm; SUB-D approx. 32 mm			

Data connection inserts representative version

PS2; PS2; RJ45; USB F-A



BNC; BNC



BNC; RJ45; SUB-D9



BNC; RJ45; SUB-D9

Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	4000-68000-1530000	4000-68000-1900000	4000-68000-1800000	4000-68000-1810000
Description				
	2 x PS2, 6-pol. soldering connection 1 x RJ45 8-pol. metal, CAT5e 1 x USB female/female (form A)	2 x BNC, female/female 1 x RJ45 8-pol. metal, CAT5e 1 x SUB-D9 female/male	1 x BNC, female/female 1 x RJ45 8-pol. metal, CAT5e 1 x SUB-D9 female/female	1 x BNC, female/female
Shielded	yes	no	yes	no
Max. nominal voltage / nominal current	PS2 30 V AC/DC / 1 A; RJ45 48 V AC/DC / 1 A; USB 30 V AC/DC / 1 A; SUB-D 125 V AC/150 V DC / 3 A;			
Max. wire diameter for soldering connection	PS2 AWG 24/0.22 mm ² ; SUB-D AWG 20/0.5 mm ²			
Locking	PS2 snap-in; RJ45 staple for the bolt; USB snap-in; SUB-D UNC 4...40 bolt;			
Specification	RJ45 CAT5e (100 MHz resp. MBit/s); USB 2.0 / type 2dB; SUB-D DIN41652/IEC807			
Mounting depth assembled	PS2 approx. 32 mm; RJ45 approx. 32 mm; USB approx. 80 mm; SUB-D approx. 32 mm			

Notes

Blind plates

representative version

	Flat blind plates	Deep blind plates	Milled blind plates	
				
				
Ordering data	Art.-No.	Art.-No.	Art.-No.	Art.-No.
	¹⁾ 4000-68000-8900000	¹⁾ 4000-68000-8910000	¹⁾ 4000-68000-8500000	¹⁾ 4000-68000-8510000
Description				
	this free space enables self-installation of connectors or switches, free space 45 x 75 mm	this free space enables self-installation of connectors or switches, free space 34 x 58 mm, recessed 13 mm	Build in plate with milled outbreaks for data interface. Individual equipment through gender changer. Easy upgrade possible.	
Shielded	no	no	1 x USB, 1 x RJ45, 1 x SUB-D9 yes	1 x USB, 1 x RJ45, 1 x SUB-D25 yes

Accessories

Gender Changer



Protection cap / Label plate



Ordering data	Art.-No.		Art.-No.	
	RJ45, female / female	¹⁾ 4000-68000-9040010	SUB-D9, female	¹⁾ 4000-68000-9100000
	USB, (form A)	¹⁾ 4000-68000-9040020	SUB-D9, male	¹⁾ 4000-68000-9130000
	SUB-D9, female / female	¹⁾ 4000-68000-9040030	SUB-D15, female	¹⁾ 4000-68000-9110000
	SUB-D9, female / male	¹⁾ 4000-68000-9040031	SUB-D25, female	¹⁾ 4000-68000-9120000
	SUB-D9, male / male	¹⁾ 4000-68000-9040032		
	SUB-D15, female / male	¹⁾ 4000-68000-9040040	Label plate	¹⁾ 4000-68000-9000000
	SUB-D25, female / male	¹⁾ 4000-68000-9040051		
	PS2, female / female	¹⁾ 4000-68000-9040060		
Description				
	For installation into building control cabinets. With suitable screws.		Material: Plastic	

Cables

representative version

SUB-D25



USB; RJ45



Ordering data	Art.-No.		Art.-No.	
	SUB-D9, 2 m, male/male	¹⁾ 4000-68000-9030010	USB (form A), 2 m, male/male	¹⁾ 4000-68000-9030050
	SUB-D9, 5 m, male/male	¹⁾ 4000-68000-9030011	USB (form A), 5 m, male/male	¹⁾ 4000-68000-9030051
	SUB-D9, 2 m, female/male	¹⁾ 4000-68000-9030020		
	SUB-D9, 5 m, female/male	¹⁾ 4000-68000-9030021	RJ45, 2 m, 8/8-pol., metal, cat. 5e	¹⁾ 4000-68000-9030060
	SUB-D25, 2 m, female/male	¹⁾ 4000-68000-9030040	RJ45, 5 m, 8/8-pol., metal, cat. 5e	¹⁾ 4000-68000-9030061
	SUB-D25, 5 m, female/male	¹⁾ 4000-68000-9030041		
Technical Data				
Shielded	yes			

Notes

¹⁾Sold only as packaging unit – see price list.