

# MODLINK MSDD

## Front Panel Interfaces

- Modular
- Safe
- Global





## MODLINK MSDD MAKES MAINTENANCE EASY

**Modlink MSDD front panel interfaces make it easy to access controls in the cabinet when it's time for on-site diagnostics and maintenance. The control cabinet stays closed so you aren't exposed to live voltage and the components stay within the recommended protection class. Compliance with safety regulations regarding panel entry are easier to meet with the use of panel interface devices.**

The new European machine guidelines, EN 60204-1, says that outlets with a nominal current of up to 20 A have to be protected by a residual current protection device. With Modlink MSDD, you simply snap the right RCD into the frame. In the US, the machine guidelines for industrial controls in NEC Article 430 and subsequent subsections require the use of Ground Fault Circuit Interrupt devices (GFCI) to minimize hazards when using power connections on a control cabinet. The Modlink MSDD inserts meet these standards and accommodate touch guard requirements as well making safe operations possible on the front of control cabinet.

### MAXIMUM DIVERSITY

- Modular design with a large range of components and over 100,000 combination options
- For worldwide applications with country-specific models and approvals like cURus
- Available in various colors for different machine designs
- Intuitive locking mechanism for simple operation



### INTUITIVE LOCKING MECHANISM

- 3 mm double-bit key
- Turning knob
- Daimler key

### SAFE TO OPEN

- Integrated spring lifts the lid 30 degrees
- Lid with locking position

### WORLDWIDE APPLICATIONS

- NEMA 4/4x/12/13



## RUGGED

- IP65 protection outside
- IP20 inside with touch guard

## HIGH-QUALITY PLASTIC

- Transparent, metallic and fiberglass reinforced models

## MODULAR INSERTS

- Power outlets and data connector inserts
- Over 100,000 combination options

## EVEN SAFER

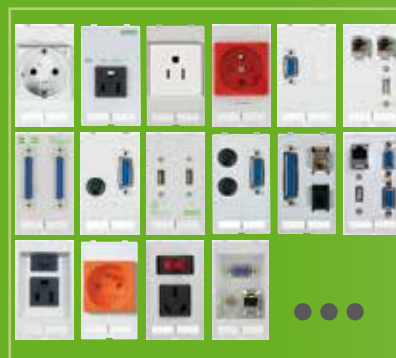
As soon as the lid is closed, Modlink MSDD meets the IP65 protection requirements. Modlink MSDD has a convenient spring mechanism so you never forget to close the lid. The lid pops open about 30 degrees so you can see if it's closed or not.



INTUITIVE

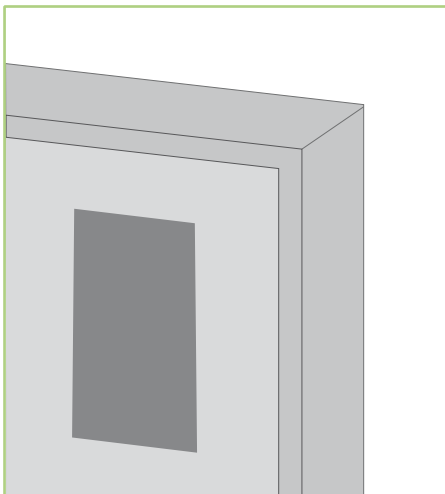


PROTECTS  
OUTLETS  
ACCORDING  
TO NORMS



OVER 100,000  
COMBINATION  
OPTIONS

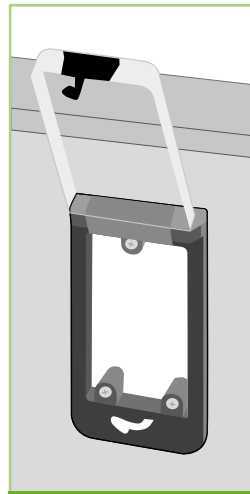
## INSTALLING MODLINK MSDD IS EASY



make the cut out



Open the MSDD lid



Insert frame

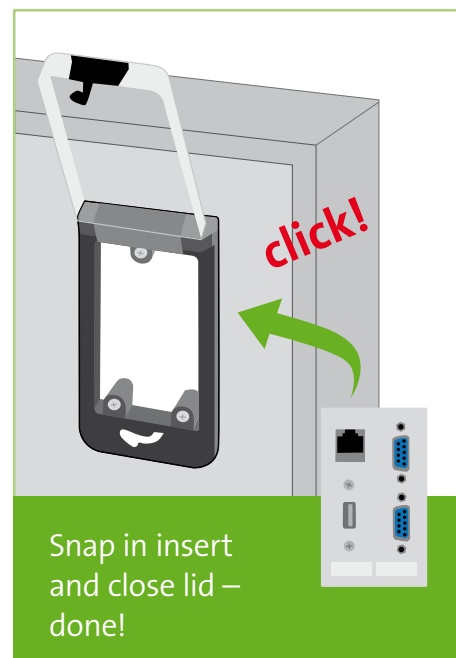
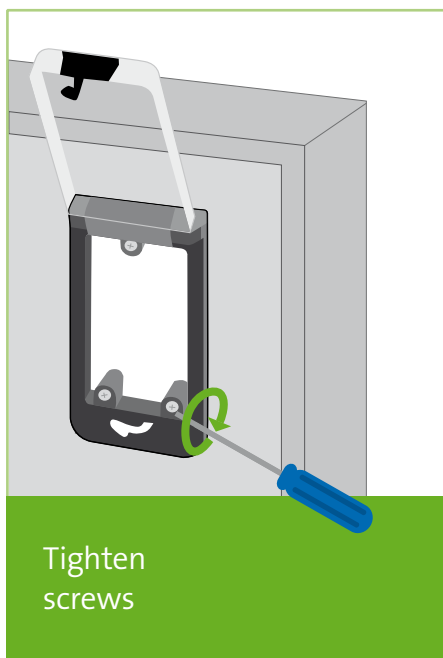
## APPLICATION EXAMPLES



Control cabinet



Control panel



Operating panel



Work station



# BUILD YOUR OWN SET

The part numbers help you figure out whether you are ordering outlets, data connector inserts, individual frames or sets. You will find the component's part numbers on the following pages. Both modules and sets can be ordered in quantities of 1 or more.

A

B

C

D

4000-68-

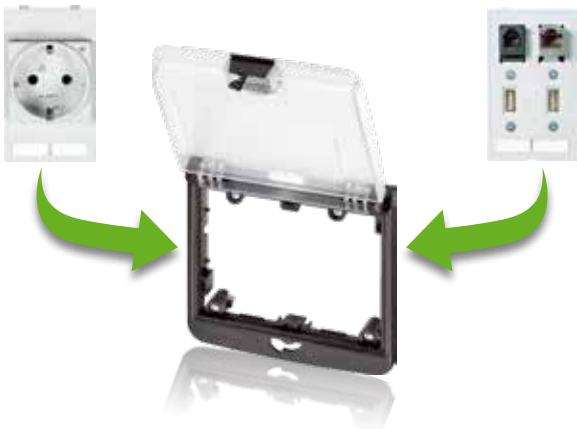
522

-

001

091

1



## STRUCTURE OF ART.-NO.

The art. no. of the set **4000-68522-001 0911** comprises **A**, **B**, **C** and **D**.

- Block A: Frame definition

(example: 4000-68**522**-000 0001)
- Block B: Insert 1

(example: 4000-68000-**001** 0000)
- Block C: Insert 2

(example: 4000-68000-**091** 0000)
- Block D: Locking mechanism

(example: 4000-68522-000 000**1**)

A

Frame definiton

B

Select your insert 1

C






Select your insert 2 or 000 for single frame








D

3 mm double bit key or daimler key














## FRONT PANEL INTERFACES








Frames (plastic)			Art-No.
	<b>1-way transparent</b>		
	Mounting frame plastic PBT black Lid plastic PC transparent	cURus Closure: 3 mm double bit with pluggable rotation knob	4000-68512-0000001
	Mounting frame plastic PBT black Lid plastic PC transparent	Closure: Daimler	4000-68512-0000003
	<b>1-way metallic</b>		
	Mounting frame plastic PBT black Lid plastic ABS metal	cURus Closure: 3 mm double bit with pluggable rotation knob	4000-68513-0000001
	Mounting frame plastic PBT black Lid plastic ABS metal	Closure: Daimler	4000-68513-0000003
	<b>1-way gray</b>		
	Mounting frame plastic PBT black Lid plastic PBT gray	cURus Closure: 3 mm double bit with pluggable rotation knob	4000-68514-0000001
	Mounting frame plastic PBT black Lid plastic PBT gray	Closure: Daimler	4000-68514-0000003
	<b>2-way transparent</b>		
	Mounting frame plastic PBT black Lid plastic PC transparent	cURus Closure: 3 mm double bit with pluggable rotation knob	4000-68522-0000001
	Mounting frame plastic PBT black Lid plastic PC transparent	Closure: Daimler	4000-68522-0000003
	<b>2-way metallic</b>		
	Mounting frame plastic PBT black Lid plastic ABS metal	cURus Closure: 3 mm double bit with pluggable rotation knob	4000-68523-0000001
	Mounting frame plastic PBT black Lid plastic ABS metal	Closure: Daimler	4000-68523-0000003
	<b>2-way gray</b>		
	Mounting frame plastic PBT black Lid plastic PBT gray	cURus Closure: 3 mm double bit with pluggable rotation knob	4000-68524-0000001
	Mounting frame plastic PBT black Lid plastic PBT gray	Closure: Daimler	4000-68524-0000003








Power outlets			Art-No.
	<b>Germany (VDE) white</b> Screw terminals: max. 6 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A	LED (yellow)	4000-68000-0010000
	<b>Germany (VDE) white</b> Spring clamp terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A		4000-68000-0160000
	<b>Germany (VDE) yellow</b> Screw terminals: max. 6 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A		4000-68000-0020000
	<b>Germany (VDE) orange</b> Spring clamp terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A		4000-68000-0140000
	<b>France (UTE-NF) gray</b> Screw terminals: max. 6 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A	LED (yellow)	4000-68000-0050000
	<b>France (UTE-NF) gray</b> Screw terminals: max. 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A		4000-68000-3010000
	<b>France (UTE-NF) red</b> Spring clamp terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A	with touch protection	4000-68000-0130000

Power outlets			Art-No.
	<b>France (UTE-NF) orange</b> Spring clamp terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A		<b>4000-68000-0150000</b>
	<b>USA (NEMA 5-15)</b> Plug-solder connection: 4.8 × 0.8 mm Operating voltage: max. 125 V AC Operating current: max. 15 A	cURus	<b>4000-68000-0030000</b>
	<b>USA (NEMA 5-15)</b> Plug-solder connection: L 6.3 × 0.8 mm/N (PE) 4.8 × 0.8 mm Operating voltage: max. 125 V AC Operating current: max. 3 A	cURus Fuse 3 A	<b>4000-68000-0110000</b>
	<b>USA (NEMA 5-15)</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 125 V AC Operating current: max. 15 A	cURus without touch protection	<b>4000-68000-3240000</b>
	<b>USA (NEMA 5-15)</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 125 V AC Operating current: max. 15 A		<b>4000-68000-0040000</b>
	<b>USA (2 × NEMA-GFCI 5-15)</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 125 V AC Operating current: max. 15 A	cURus without touch protection	<b>4000-68000-3220000</b>
	<b>USA (2 × NEMA-GFCI 5-20)</b> Screw terminals: max. 6 mm <sup>2</sup> Operating voltage: max. 125 V AC Operating current: max. 20 A per socket	cURus without touch protection	<b>4000-68000-3280000</b>

Power outlets			Art-No.
	<b>England (BS)</b> Screw terminals: max. 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 13 A		4000-68000-0060000
	<b>England (BS) orange</b> Screw terminals: max. 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 13 A		4000-68000-0190000
	<b>Italy (CEI 23-16)</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A	Double	4000-68000-0070000
	<b>Italy (CEI 23-16)</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A		4000-68000-0180000
	<b>Denmark</b> Spring clamp terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 10 A		4000-68000-0170000
	<b>Swiss</b> Spring clamp terminals: max. 1.5 mm <sup>2</sup> (AWG 16) Operating voltage: max. 250 V AC Operating current: max. 10 A		4000-68000-0120000
	<b>Australia</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 10 A		4000-68000-0090000








Power outlets			Art-No.
	<b>India (IS 1293)</b> Screw terminals: max. 4 mm <sup>2</sup> Operating voltage: max. 240 V AC Operating current: max. 6 A		<b>4000-68000-3210000</b>
	<b>China (CCC)</b> Screw terminals: max. 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 10 A		<b>4000-68000-3250000</b>
	<b>Brazil</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 10 A	Double	<b>4000-68000-3290000</b>
	<b>Brazil</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 10 A	Single	<b>4000-68000-3310000</b>








Communication inserts			Art-No.
	<b>SUB-D9; SUB-D9</b> 2 × SUB-D9 (female/male)	cURus	4000-68000-0200000
	<b>SUB-D9; SUB-D9</b> 2 × SUB-D9 (solder connection/female)	cURus	4000-68000-0210000
	<b>SUB-D9; SUB-D9</b> 1 × SUB-D9 (solder connection/male) 1 × SUB-D9 (solder connection/female)	cURus	4000-68000-0220000
	<b>SUB-D9</b> 1 × SUB-D9 (solder connection/male) 1 × SUB-D9 (blind plug)	cURus	4000-68000-0230000
	<b>SUB-D9; SUB-D15</b> 1 × SUB-D9 (male/female) 1 × SUB-D15 (male/female)	cURus	4000-68000-0300000
	<b>SUB-D9; SUB-D15</b> 1 × SUB-D9 (solder connection/male) 1 × SUB-D15 (solder connection/male)	cURus	4000-68000-0310000
	<b>SUB-D9; SUB-D15</b> 1 × SUB-D9 (female/female) 1 × SUB-D15 (male/male)	cURus	4000-68000-0320000








Communication inserts			Art-No.
	<b>SUB-D9; SUB-D25</b> 1 × SUB-D9 (male/female) 1 × SUB-D25 (male/female)	cURus	4000-68000-0400000
	<b>SUB-D9; SUB-D25</b> 1 × SUB-D9 (solder connection/male) 1 × SUB-D25 (solder connection/male)	cURus	4000-68000-0410000
	<b>SUB-D9; SUB-D25</b> 1 × SUB-D9 (solder connection/female) 1 × SUB-D25 (solder connection/male)	cURus	4000-68000-0420000
	<b>SUB-D9; SUB-D25</b> 1 × SUB-D9 (female/female) 1 × SUB-D25 (male/female)		4000-68000-0430000
	<b>SUB-D15; SUB-D15</b> 2 × SUB-D15 (female/male)	cURus	4000-68000-0500000
	<b>SUB-D15; SUB-D15</b> 2 × SUB-D15 (solder connection/female)	cURus	4000-68000-0510000
	<b>SUB-D15</b> 1 × SUB-D15 (solder connection/male) 1 × SUB-D9 (blind plug)	cURus	4000-68000-0530000

















Communication inserts			Art-No.
	<b>SUB-D15; SUB-D25</b> 1 × SUB-D15 (male/female) 1 × SUB-D25 (male/female)	cURus	4000-68000-0600000
	<b>SUB-D15; SUB-D25</b> 1 × SUB-D15 (solder connection/male) 1 × SUB-D25 (solder connection/male)	cURus	4000-68000-0610000
	<b>SUB-D25; SUB-D25</b> 2 × SUB-D25 (female/male)	cURus	4000-68000-0700000
	<b>SUB-D25; SUB-D25</b> 2 × SUB-D25 (solder connection/female)	cURus	4000-68000-0710000
	<b>SUB-D25</b> 1 × SUB-D25 (solder connection/male) 1 × SUB-D9 (blind plug)	cURus	4000-68000-0730000
	<b>SUB-D25</b> 1 × SUB-D25 (male/female) 1 × SUB-D9 (blind plug)	cURus	4000-68000-0740000
	<b>PS2; PS2; SUB-D15 HD</b> 2 × PS2 (6-pole solder connection) 1 × SUB-D15 HD (male/female) VGA		4000-68000-0800000

Communication inserts			Art-No.
	<b>PS2; SUB-D15 HD</b> 1 × PS2 (6-pole solder connection) 1 × SUB-D15 HD (solder connection/male) VGA		<b>4000-68000-0810000</b>
	<b>SUB-D15 HD; RJ45; USB; USB (formA)</b> 1 × SUB-D15 HD (male/female) VGA 1 × RJ45, 8-pole metal, CAT5e (female/female) 2 × USB (female/female) form A	cURus shielded	<b>4000-68000-1040000</b>
	<b>RJ45; RJ45; USB (formA)</b> 2 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A	cURus shielded	<b>4000-68000-0940000</b>
	<b>RJ45; USB (form A); DVI</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 1 × DVI (male/male)		<b>4000-68000-0820000</b>
	<b>RJ45; RJ45; USB; USB (form A)</b> 2 × RJ45, 8-pole metal, CAT5e (female/female) 2 × USB (female/female/0.7 m cable) form A	shielded	<b>4000-68000-0990000</b>
	<b>RJ45; RJ12; USB; USB (form A)</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × RJ12, 6-pole plastic 2 × USB (female/female) form A	cURus shielded	<b>4000-68000-0910000</b>
	<b>RJ45; USB; USB (form A)</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 2 × USB (female/female) form A	shielded	<b>4000-68000-0960000</b>

Communication inserts			Art-No.
	<b>RJ45; RJ45; USB; USB (form A)</b> 2 × RJ45, 8-pole metal, CAT5e (female/female) 2 × USB (female/female) form A	shielded	<b>4000-68000-0970000</b>
	<b>RJ45; RJ12; SUB-D25</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × RJ12, 6-pole plastic 1 × SUB-D25 (male/female)	cURus	<b>4000-68000-1100000</b>
	<b>RJ45; SUB-D9; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (female/female) 1 × SUB-D9 (female/female)	cURus	<b>4000-68000-1110000</b>
	<b>RJ45; RJ12; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × RJ12, 6-pole plastic 1 × SUB-D9 (female/female)	cURus shielded	<b>4000-68000-1120000</b>
	<b>RJ45; USB; GC/GC</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 1 × GC (female/female) 1 × GC (male/male)	shielded	<b>4000-68000-1140000</b>
	<b>RJ12; RJ12; SUB-D9</b> 2 × RJ12, 6-pole plastic 1 × SUB-D9 (female/female)	shielded	<b>4000-68000-1090000</b>
	<b>RJ45; SUB-D9; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 2 × SUB-D9 (female/female)	shielded	<b>4000-68000-1160000</b>


Communication inserts			Art-No.
	<b>RJ45; USB (form A); SUB-D9; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 2 × SUB-D9 (female/female)	shielded	<b>4000-68000-1180000</b>
	<b>RJ45; USB (form A); SUB-D9; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 1 × SUB-D9 (female/female) 1 × SUB-D9 (male/male)	shielded	<b>4000-68000-1190000</b>
	<b>RJ45; RJ45</b> 2 × RJ45, 8-pole metal, CAT5e (female/female)	cURus shielded	<b>4000-68000-1200000</b>
	<b>RJ45</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (blind plug)	cURus	<b>4000-68000-1210000</b>
	<b>RJ45; RJ45; RJ45; RJ45</b> 4 × RJ45, 8-pole metal, CAT5e (female/female)	shielded	<b>4000-68000-1220000</b>
	<b>USB (form A); RJ45</b> 1 × USB (female/female) form A 1 × RJ45, 8-pole metal, CAT5e (female/female)	cURus shielded	<b>4000-68000-1310000</b>
	<b>RJ45; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (female/female)	cURus shielded	<b>4000-68000-1410000</b>








Communication inserts			Art-No.
	<b>SUB-D9; RJ45; USB (form A)</b> 1 × SUB-D9 (female/female) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (male/male/0.7 m cable) form A	shielded	4000-68000-1420000
	<b>RJ45; USB (form A); SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 1 × SUB-D9 (male/female)	cURus shielded	4000-68000-1430000
	<b>RJ45; USB (form A); SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 1 × SUB-D9 (female/female)	cURus shielded	4000-68000-1440000
	<b>RJ45; USB (form A); SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 1 × SUB-D9 (solder connection/male)	shielded	4000-68000-1460000
	<b>RJ45; RJ45; SUB-D25</b> 2 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D25 (male/female)	cURus shielded	4000-68000-1600000
	<b>SUB-D25; RJ45; USB (pre-cut)</b> 1 × SUB-D25 (male/female) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (pre-cut)	shielded	4000-68000-1610000
	<b>RJ45; RJ45; SUB-D9</b> 2 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (male/female)	shielded	4000-68000-1620000

Communication inserts			Art-No.
	<b>RJ45; SUB-D9; SUB-D25</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (male/female) 1 × SUB-D25 (male/female)	cURus	<b>4000-68000-1700000</b>
	<b>BNC; RJ45; SUB-D9</b> 1 × BNC (male/male) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (male/female)	shielded	<b>4000-68000-1800000</b>
	<b>BNC; RJ45; SUB-D9</b> 1 × BNC (male/male) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (female/female)		<b>4000-68000-1810000</b>
	<b>RJ45; USB; USB (form A)</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 2 × USB (female/female/0.7 m cable) form A	shielded	<b>4000-68000-0980000</b>
	<b>USB (form A); SUB-D25</b> 1 × USB (male/male/0.7 m cable) form A 1 × SUB-D25 (male/female)	shielded	<b>4000-68000-1000000</b>
	<b>USB (form A); SUB-D25; RJ45</b> 1 × USB (female/female) form A 1 × SUB-D25 (male/female) 1 × RJ45, 8-pole metal, CAT5e (female/female)	cURus shielded	<b>4000-68000-1450000</b>
	<b>USB (form A); RJ45</b> 1 × USB (male/male/0.7 m cable) form A 1 × RJ45, 8-pole metal, CAT5e (female/female)	shielded	<b>4000-68000-1300000</b>

Communication inserts			Art-No.
	<b>USB (form A); SUB-D9; RJ45</b> 1 × USB (male/male/0.7 m cable) form A 1 × SUB-D9 (male/female) 1 × RJ45, 8-pole metal, CAT5e (female/female)	shielded	<b>4000-68000-1400000</b>
	<b>USB; USB (form A)</b> 2 × USB (female/female/0.7 m cable) form A	shielded	<b>4000-68000-0900000</b>
	<b>USB (form A to A)</b> 1 × USB (female/female) form A	cURus shielded	<b>4000-68000-0920000</b>
	<b>USB (form A); USB (form A)</b> 2 × USB (female/female) form A	cURus shielded	<b>4000-68000-0930000</b>
	<b>USB; USB; USB; USB (form A)</b> 4 × USB (female/female) form A		<b>4000-68000-0950000</b>
	<b>USB (form A); SUB-D25</b> 1 × USB (female/female) form A 1 × SUB-D25 (male/female)	cURus shielded	<b>4000-68000-1010000</b>
	<b>USB (form A); SUB-D9</b> 1 × USB (female/female) form A 1 × SUB-D9 (solder connection/male)		<b>4000-68000-1020000</b>



Communication inserts			Art-No.
	<b>USB (form A); SUB-D25; RJ45</b> 1 × USB (female/female) form A 1 × SUB-D25 (male/solder connection) 1 × RJ45, 8-pole metal, CAT5e (female/female)	shielded	<b>4000-68000-1470000</b>
	<b>USB (form A); SUB-D9; RJ12</b> 1 × USB (female/female) form A 1 × SUB-D9 (female/female) 1 × RJ12, 6-pole plastic	shielded	<b>4000-68000-1480000</b>
	<b>RJ45; USB (form A); SUB-D9; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 1 × SUB-D9 (male/female) 1 × SUB-D9 (male/female)		<b>4000-68000-1240000</b>
	<b>RJ45; USB; USB (form A); SUB-D9 (pre-cut)</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 2 × USB (female/female) form A 1 × blind plug for SUB-D9		<b>4000-68000-1250000</b>
	<b>RJ45; RJ12; USB; USB (form A); SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × RJ12, 6-pole plastic 1 × USB (female/female) form A 1 × SUB-D9 (female/female)		<b>4000-68000-1270000</b>
	<b>USB (form A); DVI</b> 2 × USB (female/female) form A 1 × DVI (male/male)		<b>4000-68000-1280000</b>
	<b>SUB-D9 (female)</b> 1 × blind plug for SUB-D9 1 × SUB-D9 (female) PROFIBUS		<b>4000-68000-2000000</b>

Combinations			Art-No.
	<b>USA (NEMA 5-15); SUB-D25; RJ45</b> 1 × NEMA 5-15 (plug-solder connection) 1 × SUB-D25 (male/female) 1 × RJ45, 8-pole metal, CAT5e (female/female)	cURus	4000-68000-4000000
	<b>USA (NEMA 5-15); RJ45; SUB-D9</b> 1 × NEMA 5-15 (plug-solder connection) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (female/female)	cURus	4000-68000-4010000
	<b>USA (NEMA 5-15); RJ45; SUB-D9</b> 1 × NEMA 5-15 (plug-solder connection) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (male/female)	cURus	4000-68000-4020000
	<b>USA (NEMA 5-15); RJ45; USB (form A)</b> 1 × NEMA 5-15 (plug-solder connection) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A	cURus	4000-68000-4030000
	<b>USA (NEMA 5-15); RJ45</b> 1 × NEMA 5-15 (plug-solder connection) 1 × RJ45, 8-pole metal, CAT5e (female/female)	cURus	4000-68000-4040000
	<b>USA (NEMA 5-15); RJ45; RJ12</b> 1 × NEMA 5-15 (plug-solder connection) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × RJ12, 6-pole plastic	cURus	4000-68000-4050000
	<b>USA (NEMA 5-15); RJ45; RJ45</b> 1 × NEMA 5-15 (plug-solder connection) 2 × RJ45, 8-pole metal, CAT5e (female/female)	cURus	4000-68000-4060000

Combinations			Art-No.
	<b>Germany (VDE)</b> 1 × Germany (VDE) white 2 × pre-cut	Spring clamp terminals: max. 2 × 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	<b>4000-68000-4500000</b>
	<b>Germany (VDE) white; RJ45</b> 1 × Germany (VDE) white 1 × RJ45, 8-pole metal, CAT6e (female/female) 1 × pre-cut	Spring clamp terminals: max. 2 × 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	<b>4000-68000-4500001</b>
	<b>Germany (VDE) white; RJ45</b> 1 × Germany (VDE) white 2 × RJ45, 8-pole metal, CAT6e (female/female)	Spring clamp terminals: max. 2 × 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	<b>4000-68000-4500004</b>
	<b>France (UTE-NF)</b> 1 × France (UTE-NF) white 2 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	<b>4000-68000-4510000</b>
	<b>France (UTE-NF); RJ45</b> 1 × France (UTE-NF) white 1 × RJ45, 8-pole metal, CAT6e (female/female) 1 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	<b>4000-68000-4510001</b>
	<b>Great Britain (BS)</b> 1 × Great Britain (BS) 2 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 13 A shielded	<b>4000-68000-4520000</b>
	<b>Great Britain (BS); RJ45</b> 1 × Great Britain (BS) 1 × RJ45, 8-pole metal, CAT6e (female/female) 1 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 13 A shielded	<b>4000-68000-4520001</b>

Combinations			Art-No.
	<b>Italy (CEI 23-16)</b> 1 × Italy (CEI 23-16) 2 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	<b>4000-68000-4530000</b>
	<b>Italy (CEI 23-16); RJ45</b> 1 × Italy (CEI 23-16) 1 × RJ45, 8-pole metal, CAT6e (female/female) 1 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	<b>4000-68000-4530001</b>
	<b>Italy (CEI 23-16); SUB-D9</b> 1 × Italy (CEI 23-16) 1 × SUB-D9 (male/female) 1 × SUB-D9 cut-out	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	<b>4000-68000-4530004</b>
	<b>Swiss</b> 1 × Swiss 2 × pre-cut	Spring clamp terminals: max. 2 × 1.5 mm <sup>2</sup> (AWG 16) Operating voltage: max. 250 V AC Operating current: max. 10 A shielded	<b>4000-68000-4540000</b>
	<b>Swiss; RJ45</b> 1 × Swiss 1 × RJ45, 8-pole metal, CAT6e (female/female) 1 × pre-cut	Spring clamp terminals: max. 2 × 1.5 mm <sup>2</sup> (AWG 16) Operating voltage: max. 250 V AC Operating current: max. 10 A shielded	<b>4000-68000-4540001</b>
	<b>Denmark</b> 1 × Denmark (white) 2 × pre-cut	Spring clamp terminals: max. 2 × 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 13 A shielded	<b>4000-68000-4550000</b>
	<b>Denmark</b> 1 × Denmark (white) 1 × RJ45, 8-pole metal, CAT6e (female/female) 1 × pre-cut	Spring clamp terminals: max. 2 × 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 13 A shielded	<b>4000-68000-4550001</b>

Combinations			Art-No.
	<b>India (IS 1293)</b> 1 × India (white) 2 × pre-cut	Screw terminals: max. 2 × 1.5 mm <sup>2</sup> Operating voltage: max. 240 V AC Operating current: max. 6 A shielded	<b>4000-68000-4570000</b>
	<b>India (IS 1293); RJ45</b> 1 × India (white) 1 × RJ45, 8-pole metal, CAT6e (female/female) 1 × pre-cut	Screw terminals: max. 2 × 1.5 mm <sup>2</sup> Operating voltage: max. 240 V AC Operating current: max. 6 A shielded	<b>4000-68000-4570001</b>
	<b>China (CCC)</b> 1 × China (white) 2 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 10 A shielded	<b>4000-68000-4580000</b>
	<b>China (CCC); RJ45</b> 1 × China (white) 1 × RJ45, 8-pole metal, CAT6e (female/female) 1 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 10 A shielded	<b>4000-68000-4580001</b>
	<b>Brazil</b> 1 × Brazil 4 × pre-cut	Screw terminals: max. 2 × 1.5 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 10 A	<b>4000-68000-4610000</b>
	<b>Brazil; RJ45</b> 1 × Brazil 1 × RJ45, 8-pole metal, CAT6e (female/female) 3 × pre-cut	Screw terminals: max. 2 × 1.5 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 10 A shielded	<b>4000-68000-4610001</b>
	<b>Brazil; SUB-D9</b> 1 × Brazil 1 × SUB-D9 (male/female) 1 × SUB-D9 cut-out	Screw terminals: max. 2 × 1.5 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 10 A shielded	<b>4000-68000-4610004</b>




Combinations			Art-No.
	<b>USA (2 × NEMA-GFCI 5-15); RJ45; USB (form A); fuse</b> 2 × NEMA-GFCI 5-15 (screw terminals) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A 1 × fuse (3 A)	cURus with touch protection	<b>4000-68000-410000</b>
	<b>USA (2 × NEMA-GFCI 5-15); RJ45; fuse</b> 2 × NEMA-GFCI 5-15 (screw terminals) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × fuse (3 A)	cURus with touch protection	<b>4000-68000-4110000</b>
	<b>USA (2 × NEMA-GFCI 5-15); RJ45; RJ45; fuse</b> 2 × NEMA-GFCI 5-15 (screw terminals) 2 × RJ45, 8-pole metal, CAT5e (female/female) 1 × fuse (3 A)	cURus with touch protection	<b>4000-68000-4120000</b>
	<b>USA (2 × NEMA-GFCI 5-15); RJ45; SUB-D9; fuse</b> 2 × NEMA-GFCI 5-15 (screw terminals) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (male/female) 1 × fuse (3 A)	cURus with touch protection	<b>4000-68000-4130000</b>
	<b>USA (2 × NEMA-GFCI 5-15); fuse</b> 2 × NEMA-GFCI 5-15 (screw terminals) 1 × fuse (3 A)	cURus with touch protection	<b>4000-68000-4140000</b>
	<b>Germany (VDE); FI cut-out</b> 1 × VDE 1 × FI-cut-out		<b>4000-68000-4300000</b>
	<b>Germany (VDE); RJ45; FI-cut-out</b> 1 × VDE 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × FI-cut-out		<b>4000-68000-4300001</b>
	<b>Germany (VDE) yellow; FI cut-out</b> 1 × VDE yellow 1 × FI-cut-out		<b>4000-68000-4390000</b>

Combinations			Art-No.
	<b>Germany (VDE) yellow; RJ45; FI-cut-out</b> 1 × VDE yellow 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × FI-cut-out		4000-68000-4390001
	<b>Australia; FI cut-out</b> 1 × Australia 1 × FI-cut-out		4000-68000-4360000
	<b>Australia; RJ45; FI-cut-out</b> 1 × Australia 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × FI-cut-out		4000-68000-4360001
	<b>Swiss; FI cut-out</b> 1 × Swiss 1 × FI-cut-out		4000-68000-4340000
	<b>Swiss; RJ45; FI cut-out</b> 1 × Swiss 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × FI-cut-out		4000-68000-4340001
	<b>Italy (CEI 23-16); FI cut-out</b> 1 × Italy (CEI 23-16) 1 × FI-cut-out		4000-68000-4330000
	<b>Italy (CEI 23-16); RJ45; FI-cut-out</b> 1 × Italy (CEI 23-16) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × FI-cut-out		4000-68000-4330001
	<b>Great Britain (BS); FI cut-out</b> 1 × Great Britain (BS) 1 × FI-cut-out		4000-68000-4320000





Combinations			Art-No.
	<b>Great Britain (BS); RJ45; FI-cut-out</b> 1 × Great Britain (BS) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × FI-cut-out		4000-68000-4320001
	<b>France (UTE-NF); FI cut-out</b> France (UTE-NF) 1 × FI-cut-out		4000-68000-4310000
	<b>France (UTE-NF); RJ45; FI-cut-out</b> 1 × France (UTE-NF) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × FI-cut-out		4000-68000-4310001

Connection accessories			Art-No.
	<b>Gender Changer</b> RJ45 (female/female)	cURus	4000-68000-9040010
	<b>Gender Changer</b> RJ12; (female/female)		4000-68000-9040011
	<b>Gender Changer</b> RJ45 (female/female)		4000-68000-9040012
	<b>Gender Changer</b> USB (form A to A)		4000-68000-9040022
	<b>Gender Changer</b> USB (form A to A)		4000-68000-9040020
	USB (form A to B)		4000-68000-9040025
	<b>Gender Changer</b> SUB-D9 (female/female)	cURus	4000-68000-9040030
	SUB-D9 (female/male)	cURus	4000-68000-9040031
	<b>Gender Changer</b> SUB-D15 (female/male)	cURus	4000-68000-9040040
	SUB-D15 (female/female)	cURus	4000-68000-9040041
	<b>Gender Changer</b> SUB-D15 HD (female/male) VGA	cURus	4000-68000-9040045
	<b>Gender Changer</b> SUB-D25 (female/female)	cURus	4000-68000-9040050
	SUB-D25 (female/male)	cURus	4000-68000-9040051

Connection accessories			Art-No.
	<b>Gender Changer</b> PS2 (female/female) 6-pole		4000-68000-9040060
	Mini DIN; (female/female) 8-pole		4000-68000-9040065
	<b>Gender Changer</b> BNC		4000-68000-9040070
	<b>Gender Changer</b> DVI; (female/female)		4000-68000-9040080
	<b>Cable</b> SUB-D9 (male/male); 2 m	shielded	4000-68000-9030010
	SUB-D9 (male/male); 5 m	shielded	4000-68000-9030011
	SUB-D9 (female/male); 2 m	shielded	4000-68000-9030020
	SUB-D9 (female/male); 5 m	shielded	4000-68000-9030021
	<b>Cable</b> SUB-D25 (female/male); 1.8 m	shielded	4000-68000-9030040
	SUB-D25 (female/male); 5 m	shielded	4000-68000-9030041
	<b>Cable</b> USB (form A to A); 2 m (male/male)	shielded	4000-68000-9030050
	USB (form A to A); 5 m (male/male)	shielded	4000-68000-9030051
	USB (form A to A); 2 m (male/male) PUR	shielded	4000-68000-9030052
	USB (form A to A); 5 m (male/male) PUR	shielded	4000-68000-9030053
	USB (form A to B); 2 m	shielded	4000-68000-9030054
	USB (form A to B); 5 m	shielded	4000-68000-9030055
	<b>Cable</b> RJ45 (8/8-pole) metal, CAT6; 2 m	shielded	4000-68000-9030060
	RJ45 (8/8-pole) metal, CAT6; 5 m	shielded	4000-68000-9030061
	RJ45 (8/8-pole) metal, CAT6; 10 m	shielded	4000-68000-9030062

Mounting accessories			Art-No.
	<b>Ground strap 6 mm<sup>2</sup></b>		
	100 mm for screw (M4)		4000-71001-0610004
	200 mm for screw (M4)		4000-71001-0620004
	300 mm for screw (M4)		4000-71001-0630004
	<b>Blind plate (flat)</b>		
	Selfinstallation available space: 45 × 75 mm	cURus	4000-68000-8900000
	<b>Blind plate (depth)</b>		
	Selfinstallation available space: 34 × 58 mm Cavity: 13 mm deep	cURus	4000-68000-8910000
	<b>Blind plates (pre-cut)</b>		
	1 × USB, 1 × RJ45, 1 × SUB-D9	cURus shielded	4000-68000-8500000
	<b>Blind plates (pre-cut)</b>		
	1 × USB, 1 × RJ45, 1 × SUB-D25	cURus shielded	4000-68000-8510000
	<b>Housing (1-way)</b>		
	with 4 blind plugs (M16 × 1.5) H × W × D: 180×94×81 mm		4000-68000-9060010
	<b>Housing (2-way)</b>		
	with 6 blind plugs (M16 × 1.5) H × W × D: 182×180×90 mm		4000-68000-9060020

Mounting accessories			Art-No.
	<b>Touch protection box</b> for double frame 124×124×67 mm	cURus	4000-68000-9140000
	<b>Cable compression gland M16</b>		
		Cable diameter (4...8 mm)	4000-68000-9060030
	<b>Protection cap</b> SUB-D9 (female)	cURus	4000-68000-9100000
	SUB-D9 (male)	cURus	4000-68000-9130000
	SUB-D15 (female)	cURus	4000-68000-9110000
	SUB-D25 (female)	cURus	4000-68000-9120000
	<b>Label plate</b> Frame: 20 pcs.	cURus	4000-68000-9000000

Pass-through			Art-No.
	<b>Pass-through</b> 1 × RJ45, 8-pole metal, CAT5e (female/female)	cULus	4000-73000-0010000
	<b>Pass-through</b> 1 × USB 3.0 (female/male) form A, 0.6 m cable	cULus	4000-73000-0150000
	1 × USB 3.0 (female/male) form A, 1.0 m cable	cULus	4000-73000-0160000
	1 × USB 3.0 (female/male) form A, 1.5 m cable	cULus	4000-73000-0170000
	1 × USB 3.0 (female/male) form A, 2.0 m cable	cULus	4000-73000-0180000

## CUSTOM LASERING

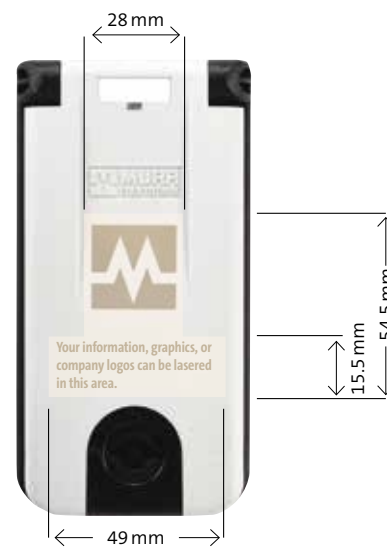
Front panel interfaces are found in a highly visible location on the control cabinet since they have to be easily accessible for service technicians.

The interfaces are, therefore, an ideal spot where information, graphics, texts, or barcodes can be placed. Even company logos can be arranged artistically on the control cabinet in this way — an excellent opportunity to draw attention to your company.

**As of now the covers of Murrelektronik's Modlink MSDD front panel interfaces can be custom lasered. Completely individualized, even in small quantities, exactly as requested! The information will be permanently visible.**

Ordering is simple: Just send the file with the desired logo or inscription by e-mail to Murrelektronik's contact partner. The graphics have to be designed in black-white. Permissible formats are DWG and DXF.

Art. no.	Description
400C-68512-0000001	Single frame, transparent cover
400C-68513-0000001	Single frame, metallic cover
400C-68514-0000001	Single frame, gray cover
400C-68522-0000001	Double frame, transparent cover
400C-68523-0000001	Double frame, metallic cover
400C-68524-0000001	Double frame, gray cover





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