

# 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 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, cULus
- 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

- UL Type Rating 1, 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

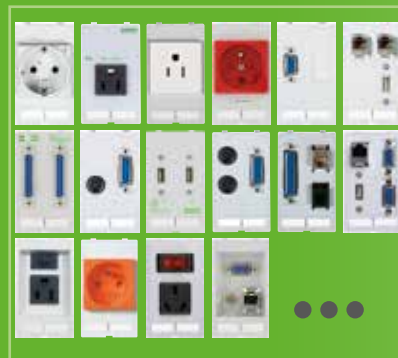
As soon as the lid is closed, Modlink MSDD meets the IP65 protection requirements. Modlink MSDD has a convenient spring mechanism so you never forget to close the lid. The lid pops open about 30 degrees so you can see if it's closed or not.



INTUITIVE

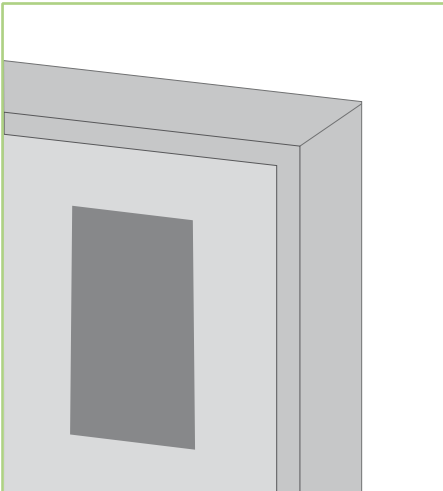


PROTECTS  
OUTLETS  
ACCORDING  
TO NORMS



OVER 100,000  
COMBINATION  
OPTIONS

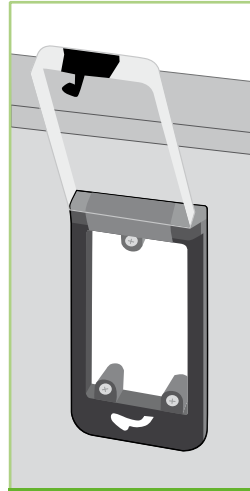
## INSTALLING MODLINK® MSDD IS EASY



make the cut out



Open the MSDD lid



Insert frame

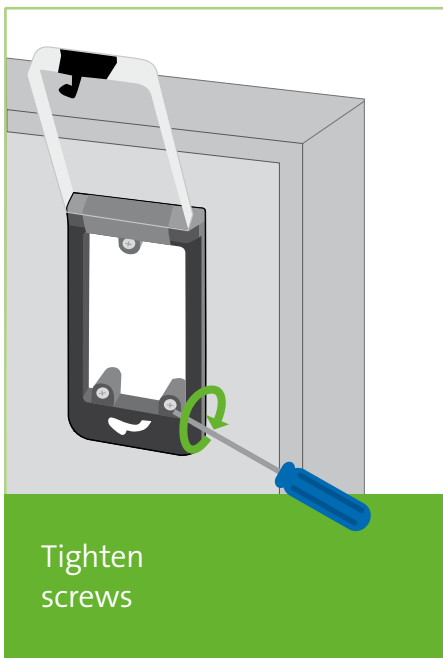
## APPLICATION EXAMPLES



Control cabinet



Control panel



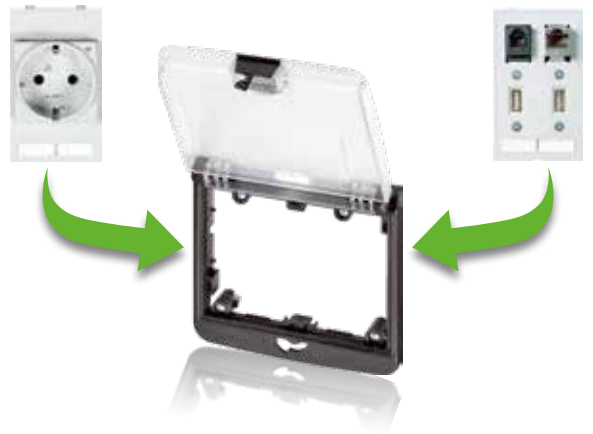
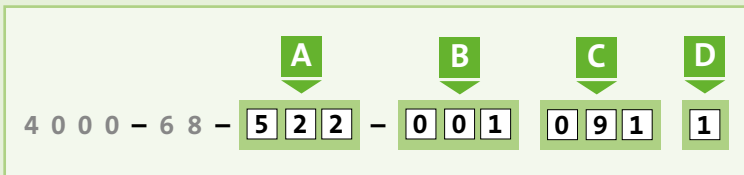
Operating panel



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.



## 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 <b>522</b> -000 0001)
Block B: Insert 1	(example: 4000-68000- <b>001</b> 0000)
Block C: Insert 2	(example: 4000-68000- <b>091</b> 0000)
Block D: Locking mechanism	(example: 4000-68522-000 000 <b>1</b> )

**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







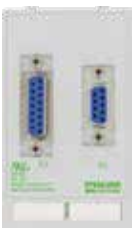
Frames (plastic)			Art-No.
	<b>1-way transparent</b> Mounting frame plastic PBT black Lid plastic PC transparent	cURus, cULus Closure: 3 mm double bit with pluggable rotation knob	4000-68512-0000001
	Mounting frame plastic PBT black Lid plastic PC transparent	Closure: Daimler	4000-68512-0000003
	<b>1-way metallic</b> Mounting frame plastic PBT black Lid plastic ABS metal	cURus, cULus 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, cULus 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, cULus 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, cULus 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, cULus 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.
	<p><b>Germany (VDE) white</b> Screw terminals: max. 6 mm<sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A</p>	LED (yellow)	4000-68000-0010000
	<p><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</p>		4000-68000-0160000
	<p><b>Germany (VDE) yellow</b> Screw terminals: max. 6 mm<sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A</p>		4000-68000-0020000
	<p><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</p>		4000-68000-0140000
	<p><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</p>	LED (yellow)	4000-68000-0050000
	<p><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</p>		4000-68000-3010000
	<p><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</p>	with touch protection	4000-68000-0130000

Power outlets			Art-No.
	<p><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</p>		4000-68000-0150000
	<p><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</p>	cURus	4000-68000-0030000
	<p><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</p>	cURus Fuse 3 A	4000-68000-0110000
	<p><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</p>	cURus without touch protection	4000-68000-3240000
	<p><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</p>		4000-68000-0040000
	<p><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</p>	cURus without touch protection	4000-68000-3220000
	<p><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</p>	cURus without touch protection	4000-68000-3280000

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 23-50)</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 23-50)</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>
	<b>South Africa</b> Screw terminals: max. 4 mm <sup>2</sup> (AWG 12) Operating voltage: max. 250 V AC Operating current: max. 16 A		<b>4000-68000-3320000</b>
	<b>Israel</b> Screw terminals: max. 2.5 mm <sup>2</sup> (AWG 14) Operating voltage: max. 250 V AC Operating current: max. 16 A		<b>4000-68000-3330000</b>








Communication inserts			Art.No.
	<b>SUB-D9; SUB-D9</b> 2 × SUB-D9 (female/male)	cURus	4000-68000-020000
	<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-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
	<b>SUB-D15; SUB-D25</b> 1 × SUB-D15 (male/female) 1 × SUB-D25 (male/female)	cURus	4000-68000-0600000








Communication inserts			Art-No.
	<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>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	4000-68000-1040000
	<b>RJ45; RJ45; USB (formA)</b> 2 × RJ45, 8-pole metal, CAT5e (female/female) 1 × USB (female/female) form A	cURus shielded	4000-68000-0940000











Communication inserts			Art-No.
	<p><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)</p>		4000-68000-0820000
	<p><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</p>	shielded	4000-68000-0990000
	<p><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</p>	cURus shielded	4000-68000-0910000
	<p><b>RJ45; USB; USB (form A)</b>            1 × RJ45, 8-pole metal, CAT5e (female/female)            2 × USB (female/female) form A</p>	shielded	4000-68000-0960000
	<p><b>RJ45; RJ45; USB; USB (form A)</b>            2 × RJ45, 8-pole metal, CAT5e (female/female)            2 × USB (female/female) form A</p>	shielded	4000-68000-0970000
	<p><b>RJ45; RJ12; SUB-D25</b>            1 × RJ45, 8-pole metal, CAT5e (female/female)            1 × RJ12, 6-pole plastic            1 × SUB-D25 (male/female)</p>	cURus	4000-68000-1100000
	<p><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)</p>	cURus	4000-68000-1110000




Communication inserts			Art-No.
	<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	4000-68000-1120000
	<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	4000-68000-1140000
	<b>RJ45; SUB-D9; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 2 × SUB-D9 (female/female)	shielded	4000-68000-1160000
	<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	4000-68000-1180000
	<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	4000-68000-1190000
	<b>RJ45; RJ45</b> 2 × RJ45, 8-pole metal, CAT5e (female/female)	cURus shielded	4000-68000-1200000
	<b>RJ45</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (blind plug)	cURus	4000-68000-1210000




Communication inserts			Art-No.
	<p><b>RJ45; RJ45; RJ45; RJ45</b> 4 × RJ45, 8-pole metal, CAT5e (female/female)</p>	shielded	4000-68000-1220000
	<p><b>USB (form A); RJ45</b> 1 × USB (female/female) form A 1 × RJ45, 8-pole metal, CAT5e (female/female)</p>	cURus shielded	4000-68000-1310000
	<p><b>RJ45; SUB-D9</b> 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (female/female)</p>	cURus shielded	4000-68000-1410000
	<p><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</p>	shielded	4000-68000-1420000
	<p><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)</p>	cURus shielded	4000-68000-1430000
	<p><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)</p>	cURus shielded	4000-68000-1440000
	<p><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)</p>	shielded	4000-68000-1460000

Communication inserts			Art-No.
	<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
	<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	4000-68000-1700000
	<b>BNC; RJ45; SUB-D9</b> 1 × BNC (male/male) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (male/female)	shielded	4000-68000-1800000
	<b>BNC; RJ45; SUB-D9</b> 1 × BNC (male/male) 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × SUB-D9 (female/female)		4000-68000-1810000
	<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	4000-68000-0980000





Communication inserts			Art-No.
	<p><b>USB (form A); SUB-D25</b> 1 × USB (male/male/0.7 m cable) form A 1 × SUB-D25 (male/female)</p>	shielded	4000-68000-1000000
	<p><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)</p>	cURus shielded	4000-68000-1450000
	<p><b>USB (form A); RJ45</b> 1 × USB (male/male/0.7 m cable) form A 1 × RJ45, 8-pole metal, CAT5e (female/female)</p>	shielded	4000-68000-1300000
	<p><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)</p>	shielded	4000-68000-1400000
	<p><b>USB; USB (form A)</b> 2 × USB (female/female/0.7 m cable) form A</p>	shielded	4000-68000-0900000
	<p><b>USB (form A to A)</b> 1 × USB (female/female) form A</p>	cURus shielded	4000-68000-0920000
	<p><b>USB (form A); USB (form A)</b> 2 × USB (female/female) form A</p>	cURus shielded	4000-68000-0930000

Communication inserts			Art-No.
	<b>USB; USB; USB; USB (form A)</b>		
	4 × USB (female/female) form A		4000-68000-0950000
	<b>USB (form A); SUB-D25</b>		
	1 × USB (female/female) form A	cURus shielded	4000-68000-1010000
	1 × SUB-D25 (male/female)		
	<b>USB (form A); SUB-D9</b>		
	1 × USB (female/female) form A		4000-68000-1020000
	1 × SUB-D9 (solder connection/male)		
	<b>USB (form A); SUB-D25; RJ45</b>		
	1 × USB (female/female) form A	shielded	4000-68000-1470000
	1 × SUB-D25 (male/solder connection)		
	1 × RJ45, 8-pole metal, CAT5e (female/female)		
	<b>USB (form A); SUB-D9; RJ12</b>		
	1 × USB (female/female) form A	shielded	4000-68000-1480000
	1 × SUB-D9 (female/female)		
	1 × RJ12, 6-pole plastic		
	<b>RJ45; USB (form A); SUB-D9; SUB-D9</b>		
	1 × RJ45, 8-pole metal, CAT5e (female/female)		4000-68000-1240000
	1 × USB (female/female) form A		
	1 × SUB-D9 (male/female)		
	1 × SUB-D9 (male/female)		
	<b>RJ45; USB; USB (form A); SUB-D9 (pre-cut)</b>		
	1 × RJ45, 8-pole metal, CAT5e (female/female)		4000-68000-1250000
	2 × USB (female/female) form A		
	1 × blind plug for SUB-D9		

Communication inserts			Art-No.
	<p><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)</p>		<p><b>4000-68000-1270000</b></p>
	<p><b>USB (form A); DVI</b>            2 × USB (female/female) form A            1 × DVI (male/male)</p>		<p><b>4000-68000-1280000</b></p>
	<p><b>SUB-D9 (female)</b>            1 × blind plug for SUB-D9            1 × SUB-D9 (female) PROFIBUS</p>		<p><b>4000-68000-2000000</b></p>

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.
	<p><b>USA (NEMA 5-15); RJ45; fuse</b>            1 × NEMA 5-15 (plug-solder connection)            2 × RJ45, 8-pole metal, CAT5e (female/female)            1 × fuse (3 A)</p>	<p>cURus</p>	<p><b>4000-68000-4070000</b></p>
	<p><b>Germany (VDE)</b>            1 × Germany (VDE) white            2 × pre-cut</p>	<p>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</p>	<p><b>4000-68000-4500000</b></p>
	<p><b>Germany (VDE) white; RJ45</b>            1 × Germany (VDE) white            1 × RJ45, 8-pole metal, CAT6e (female/female)            1 × pre-cut</p>	<p>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</p>	<p><b>4000-68000-4500001</b></p>
	<p><b>Germany (VDE) white; RJ45</b>            1 × Germany (VDE) white            2 × RJ45, 8-pole metal, CAT6e (female/female)</p>	<p>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</p>	<p><b>4000-68000-4500004</b></p>
	<p><b>France (UTE-NF)</b>            1 × France (UTE-NF) white            2 × pre-cut</p>	<p>Screw terminals: max. 2 × 4 mm<sup>2</sup>            Operating voltage: max. 250 V AC            Operating current: max. 16 A            shielded</p>	<p><b>4000-68000-4510000</b></p>
	<p><b>France (UTE-NF); RJ45</b>            1 × France (UTE-NF) white            1 × RJ45, 8-pole metal, CAT6e (female/female)            1 × pre-cut</p>	<p>Screw terminals: max. 2 × 4 mm<sup>2</sup>            Operating voltage: max. 250 V AC            Operating current: max. 16 A            shielded</p>	<p><b>4000-68000-4510001</b></p>
	<p><b>Great Britain (BS)</b>            1 × Great Britain (BS)            2 × pre-cut</p>	<p>Screw terminals: max. 2 × 4 mm<sup>2</sup>            Operating voltage: max. 250 V AC            Operating current: max. 13 A            shielded</p>	<p><b>4000-68000-4520000</b></p>

Combinations			Art-No.
	<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	4000-68000-4520001
	<b>Italy (CEI 23-50)</b> 1 × Italy (CEI 23-50) 2 × pre-cut	Screw terminals: max. 2 × 4 mm <sup>2</sup> Operating voltage: max. 250 V AC Operating current: max. 16 A shielded	4000-68000-4530000
	<b>Italy (CEI 23-50); RJ45</b> 1 × Italy (CEI 23-50) 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	4000-68000-4530001
	<b>Italy (CEI 23-50); SUB-D9</b> 1 × Italy (CEI 23-50) 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	4000-68000-4530004
	<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	4000-68000-4540000
	<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	4000-68000-4540001
	<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	4000-68000-4550000

Combinations			Art-No.
	<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>
	<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>

Combinations			Art-No.
	<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>
	<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>4000-68000-4100000</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>USA (2 × NEMA-GFCI 5-15); RJ45</b> 2 × NEMA-GFCI 5-15 (screw terminals) 1 × RJ45, 8-pole metal, CAT5e (female/female)	cURus with touch protection	<b>4000-68000-4170000</b>

Combinations			Art-No.
	<b>Germany (VDE); FI cut-out</b> 1 × VDE 1 × FI-cut-out		4000-68000-4300000
	<b>Germany (VDE); RJ45; FI-cut-out</b> 1 × VDE 1 × RJ45, 8-pole metal, CAT5e (female/female) 1 × FI-cut-out		4000-68000-4300001
	<b>Germany (VDE) yellow; FI cut-out</b> 1 × VDE yellow 1 × FI-cut-out		4000-68000-4390000
	<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

Combinations			Art-No.
	<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
	<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> DVI; (female/female)		4000-68000-9040080
	<b>Cable</b> SUB-D9 (male/male); 2 m SUB-D9 (male/male); 5 m SUB-D9 (female/male); 2 m SUB-D9 (female/male); 5 m	shielded shielded shielded shielded	4000-68000-9030010 4000-68000-9030011 4000-68000-9030020 4000-68000-9030021
	<b>Cable</b> SUB-D25 (female/male); 1.8 m SUB-D25 (female/male); 5 m	shielded shielded	4000-68000-9030040 4000-68000-9030041
	<b>Cable</b> USB (form A to A); 2 m (male/male) USB (form A to A); 5 m (male/male) USB (form A to A); 2 m (male/male) PUR USB (form A to A); 5 m (male/male) PUR USB (form A to B); 2 m USB (form A to B); 5 m	shielded shielded shielded shielded shielded shielded	4000-68000-9030050 4000-68000-9030051 4000-68000-9030052 4000-68000-9030053 4000-68000-9030054 4000-68000-9030055
	<b>Cable</b> RJ45 (8/8-pole) metal, CAT6; 2 m RJ45 (8/8-pole) metal, CAT6; 5 m RJ45 (8/8-pole) metal, CAT6; 10 m	shielded shielded shielded	4000-68000-9030060 4000-68000-9030061 4000-68000-9030062
	<b>Cable</b> USB (form A to A); 1 m (male/female) USB (form A to A); 1,5 m (male/female) USB (form A to A); 2 m (male/female) USB (form A to A); 3 m (male/female) USB (form A to A); 4 m (male/female) USB (form A to A); 5 m (male/female)	shielded shielded shielded shielded shielded shielded	4000-68000-9040110 4000-68000-9040115 4000-68000-9040120 4000-68000-9040130 4000-68000-9040140 4000-68000-9040150



Mounting accessories			Art-No.
	<p><b>Ground strap 6 mm²</b> 100 mm for screw (M4) 200 mm for screw (M4) 300 mm for screw (M4)</p>		<p>4000-71001-0610004 4000-71001-0620004 4000-71001-0630004</p>
	<p><b>Blind plate (flat)</b> Selfinstallation available space: 45 × 75 mm</p>	cURus	4000-68000-8900000
	<p><b>Blind plate (depth)</b> Selfinstallation available space: 34 × 58 mm Cavity: 13 mm deep</p>	cURus	4000-68000-8910000
	<p><b>Blind plates (pre-cut)</b> 1 × USB, 1 × RJ45, 1 × SUB-D9</p>	cURus shielded	4000-68000-8500000
	<p><b>Blind plates (pre-cut)</b> 1 × USB, 1 × RJ45, 1 × SUB-D25</p>	cURus shielded	4000-68000-8510000
	<p><b>Housing (1-way)</b> with 4 blind plugs (M16 × 1.5) H × W × D: 180×94×81 mm</p>		4000-68000-9060010
	<p><b>Housing (2-way)</b> with 6 blind plugs (M16 × 1.5) H × W × D: 182×180×90 mm</p>		4000-68000-9060020

Mounting accessories			Art-No.
	<b>Touch protection box</b> for double frame 132×144×66 mm	cURus	4000-68000-9140000
	<b>Touch protection box</b> for single frame 115×87×66 mm	cURus	4000-68000-9180000
	<b>Cable compression gland M16</b>	Cable diameter (4...8 mm)	4000-68000-9060030
	<b>Label plate</b> Frame: 20 pcs.	cURus	4000-68000-9000000
	<b>Knob Key</b> for 3mm double-bit lock		4000-68000-9310000

Pass-through			Art-No.
	<b>Pass-through</b> 1 × RJ45, 8-pole metal, CAT5e (female/female)	cULus	4000-73000-0010000
	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

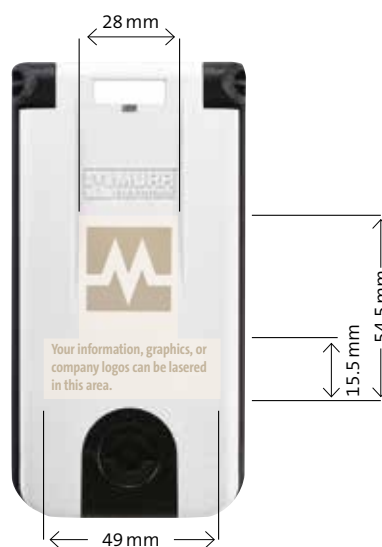
Front panel interfaces are found in a highly visible location on the control cabinet since they have to be easily accessible for service technicians.

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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