Front panel interface units

MSDD in metal design

The new generation front panel interface sets new scale in point stability and modularity.

With the help of the MSDD front panel interface, programmers, diagnostic devices, data loggers, printers or monitors can be easily connected to the PLC; without opening the cabinet door. This is another plug-in solution for your control cabinet.

Along with the standard plastic MSDD Murrelektronik now offers this improved version with higher mechanical, chemical and temperature resistance. The hinged lid and optional locking mechanism, protects against dirt and unauthorized use.

By using modular assembly in either single or double versions, various combinations of integrated connectors can be provided with this new front panel interface.

From the protection grounding connection outlet to the VGA connector, almost all is in standard delivery program. Additionally, accessories such as a locking ring, on the closed hinged lid, round the system.

Energy ..... integrated main sockets

- Germany (VDE)
- France (UTE)
- Great Britain (BS)
- USA (NEMA 5-15)
- Switzerland (Type 12)
- Italy

Information ..... integrated data connectors

- SUB-D female and male connectors (9-, 15-, 25-, 37- and 50-pole)
- PC-interface (VGA-monitor 15 HD, PS2 mouse and keyboard)
- Network connectors (RJ 45, RJ 12)

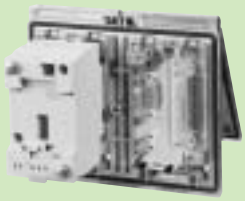
Advantages:

- Single and double version
- Separated and lockable hinged lids
- Modular construction
- Professional design
- High mechanical resistance
- Simple mounting
- Integrated outlets for European and American markets
- Operating voltage indicator
- Wide range of data connectors (SUB-D, RJ 45, PS2 etc.)
- Protection IP64
- High temperature resistance

Single version

Double version

Assorted combination possibilities with modular design



Simple mounting

The connection to the outside world !

With front panel interface MSDD, you have a simple, unproblematic and optimal connector interface in your switch gear, connection box or command desk.
With the system startup and service work it is frequently necessary that the programmer equipment communicates with the controller, and at the same time the control device of the command terminals serve as the display element to observe. With the front panel interface you have the possibility to directly produce the connection of the operator terminal with the control. Through a time involved diagnosis design you are ensured an effective switching on.

You must not always immediately send your products to an expensive technician since we have the PLC absentee diagnosis today, which is very significant. You will realize this with an electronic interface and a modem. In most there is a built in casing that can be placed next to the switch gear, in there you find the control.

Problems lie often in the connection between PLC and diagnosis accessory, there the switch gear door must be opened. With the MSDD produced by Murrelektronik using interface is so simple, it's child's play.

Front panel interface units
Metal model
Protection IP64

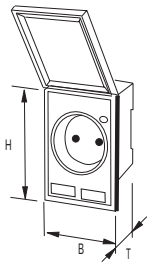
Single version

MSDD

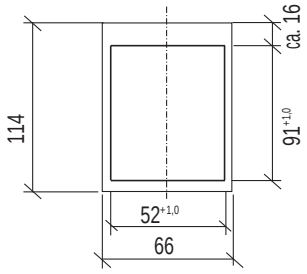
Ordering data			**Art.-No.**
Version			
German Norm	(VDE with LED)		**67600**
American Norm	(NEMA 5-15)		**67601**
French Norm	(UTE with LED)		**67602**
1 x 9-p. + 1 x 9-p. female	SUB-MIN-D		**67610**
1 x 15-p. + 1 x 15-p. female	SUB-MIN-D		**67611**
1 x 25-p. + 1 x 25-p. female	SUB-MIN-D		**67612**
1 x 37-p. female	SUB-MIN-D		**67613**
1 x 50-p. female	SUB-MIN-D		**67614**

General data		
Wall thickness	1…5 mm	
Dimensions H x B x T	114 x 66 x 32…62 mm (element dependent)	
Material / Housing color / Protection	zinc pressure diecasting / **grey** / IP64 when lid is closed	
Temperature range	-25…+60 °C	
Technical data	**Recepticle**	
Nominal voltage	VDE, UTE: max. 250 V AC	USA: max. 125 V AC
Nominal current	VDE, UTE: max. 16 A	USA: max. 15 A
Mounting method / max. diameter	VDE, UTE: screw terminals / max. 6 mm²	USA: flat connector / 4,8 mm x 0,6 mm / AWG 14-12
Technical data	**Data plug connector SUB-MIN-D**	
Nominal voltage	max. 125 V AC / 150 V DC	
Nominal current	max. 3 A	
Max. diameter	AWG 20 / 0,5 mm²	
Mounting method	soldering	
Locking	UNC 4…40 bolts	

Dimension drawing



Wall cut-out (——) for mounting is not centered to to the outer edge (---------) of the front panel suitable to wall thickness 1…5 mm



Accessories		
Locking mechanism for frontal lock		**90965**
Locking bolts		**54076**
Dust protection cap, when SUB-MIN-D is not used	9-pole	**92100**
	15-pole	**92101**
	25-pole	**92102**

Notes	
	Other versions on request.

Front panel interface units

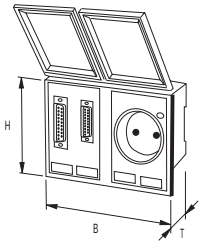
Front panel interface units
Metal model
Protection IP64

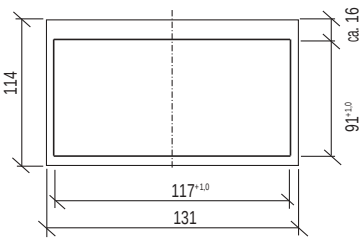
Double version

	MSDD German Norm (VDE with LED)	**MSDD** French Norm (UTE with LED)	**MSDD** American Norm (NEMA 5-15)
			
SUB-MIN-D soldering connection	**Art.-No.**	**Art.-No.**	**Art.-No.**
Combination with plug socket			
1 x 9-p. female + 1 x 9-p. female	**67700**		**67802**
1 x 9-p. female + 1 x 9-p. male	**67720**		
1 x 9-p. female + 1 x 15-p. female	**67706**		
1 x 9-p. female + 1 x 25-p. female	**67707**	**67850**	**67800**
1 x 9-p. female + 1 x 37-p. female	**67708**		
1 x 9-p. male + 1 x 25-p. female	**67722**		
1 x 15-p. female + 1 x 15-p. female	**67701**	**67855**	
1 x 15-p. female + 1 x 25-p. female	**67711**		
1 x 15-p. female + 1 x 37-p. female	**67712**		
1 x 25-p. female + 1 x 25-p. female	**67702**		
1 x 25-p. female + 1 x 37-p. female	**67715**		
1 x 50-p. female	**67719**		
1 x 9-p. female + 9-p. blind cap.	**67705**		
1 x 15-p. female + 9-p. blind cap.	**67710**		
1 x 25-p. female + 9-p. blind cap.	**67714**		
1 x 37-p. female + 9-p. blind cap.	**67717**		
Data plug connector	**Art.-No.**	**Art.-No.**	**Art.-No.**
Combination with recepticle			
1 x 15-p. female (HD) + PS2 (6-p. female)	**67740**		
RJ 45 (8-p. female) pluggable from both sides	**67745**		
Recepticle	**Art.-No.**	**Art.-No.**	**Art.-No.**
2 x Plug sockets	**67726**		

General data			
Wall thickness	1…5 mm		
Dimensions H x B x T	114 x 131 x 32…62 mm (element dependent)		
Material / Housing color / Protection	zinc pressure diecasting / **grey** / IP64 when lid is closed		
Technical data	**Recepticle**		
Nominal voltage	max. 250 V AC		max. 125 V AC
Nominal current	max. 16 A		max. 15 A
Mounting method / max. diameter	screw terminals / 6 mm²		flat connector / 4,8 x 0,6 mm / AWG 14-12
Technical data	**Data plug connector SUB-MIN-D**		
Max. nominal voltage	SUB-MIN-D: 125 V AC / 150 V DC	PS2: 100 V AC / DC	RJ45: 125 V AC / 150 V DC
Max. nominal current	SUB-MIN-D: 3 A	PS2: 1 A	RJ45: 1 A
Max. diameter	SUB-MIN-D: AWG 20 / 0,5 mm² (HD: AWG22 / 0,34 mm²)	PS2: AWG24 / 0,22 mm²	RJ45: –
Mounting method	SUB-MIN-D: soldering	PS2: soldering	RJ45: both sides pluggable
Locking	SUB-MIN-D: UNC 4…40 bolts	PS2: snap in	RJ45: staple for the bolt

Dimension drawing





Wall cut-out (———) for mounting is not centered to
to the outer edge (---------) of the front panel
suitable to wall thickness 1…2 mm

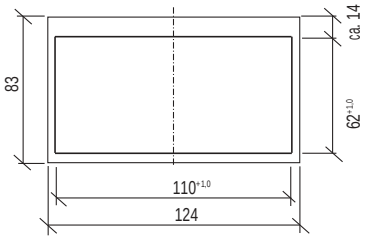
Notes

Other versions on request. Accessories see on page 3.14.7

Front panel interface units
Plastic model
Protection IP65

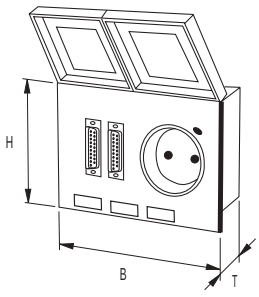
MSDD

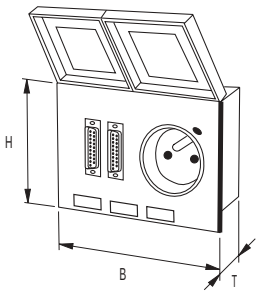
Mounting notes

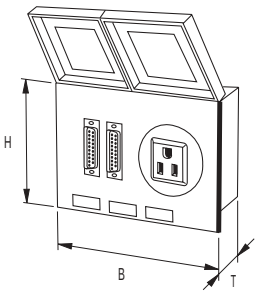


Wall cut-out (———) for mounting is not centered to
to the outer edge (---------) of the front panel
suitable to wall thickness 1…2 mm

Ordering data	Art.-No.	Art.-No.	Art.-No.
Combination with plug socket	German Norm (VDE with LED)	French Norm (UTE with LED)	American Norm (NEMA 5-15)
2 x 9-pol. female SUB-MIN-D	**67972**		
1 x 9-pol. + 1 x 15-pol. female SUB-MIN-D	**67973**		
1 x 9-pol. + 1 x 25-pol. female SUB-MIN-D	**67974**	[1] **676057**	**676070**
1 x 15-pol. female SUB-MIN-D	**67975**		
1 x 15-pol. + 1 x 25-pol. female SUB-MIN-D	**67976**	[1] **676068**	**676071**
2 x 15-pol. female SUB-MIN-D	**67960**	[1] **67965**	**676072**
2 x 25-pol. female SUB-MIN-D	**67977**	[1] **676061**	**676073**
2 x 25-pol. male SUB-MIN-D	**67978**		
2 x plug sockets	**67970**	**676069**	**676074**
General data			
Wall thickness	1…2 mm		
Dimensions H x B x T	92 x 124 x 65 mm		
Material / Housing color / Protection	polyamide PA6,6 / **grey** (RAL 7035), **black** on request / IP65 when lid is closed		
Temperature range	-10…+60 °C		
Mains plug socket			
Nominal voltage / nominal current	max. 250 V AC / max. 16 A		max. 125 V AC / max. 15 A
Mounting method / max. diameter	screw terminals / 6 mm²		flat connector / 4,8 x 0,6 mm / AWG 14-12
SUB-MIN-D connector			
Nominal voltage	max. 125 V AC / 150 V DC		
Nominal current	max. 3 A		
Max. diameter	AWG 20 / 0,5 mm²		
Mounting method	soldering		
Locking	bolt locking (UNC screw locking on request)		
Dimension drawing			







Notes

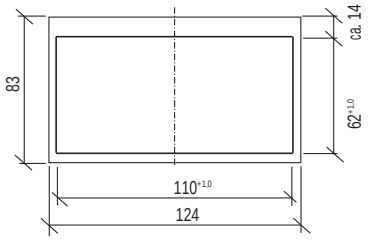
UNC 4-40 bolts (1 pair) available as accessory **Art.-No. 54079**.
Pre-wired cables with SUB-MIN-D connectors can be connected into the MSDD.

[1] UNC 4-40 screw fixing

Front panel interface units
Plastic model
Protection IP65

MSDD

Mounting notes

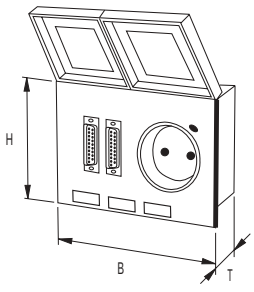


Wall cut-out (———) for mounting is not centered to
to the outer edge (----------) of the front panel
suitable to wall thickness 1…2 mm

Ordering data	Art.-No.	Art.-No.
Combination with plug socket	German Norm (VDE with LED)	German Norm (VDE with LED)
1 x 9-p. male + 1 x 9-p. female SUB-MIN-D		[1] **676087**
1 x 25-p. male + 1 x 25-p. female SUB-MIN-D	**676031**	
1 x 25-p. female SUB-MIN-D	**676039**	**676046**
1 x 25-p. female SUB-MIN-D	[1] **676036**	
2 x 25-p. female SUB-MIN-D	[2] **676041**	

General data		
Wall thickness	1…2 mm	
Dimensions H x B x T	92 x 124 x 65 mm	
Material / Housing color / Protection	polyamide PA6,6 / **grey** (RAL 7035) / IP65 when lid is closed	polyamide PA6,6 / **black** / IP65 when lid is closed
Temperature range	-10…+60 °C	
Mains plug socket		
Nominal voltage	max. 250 V AC	
Nominal current	max. 16 A	
SUB-MIN-D connector		
Nominal voltage	max. 125 V AC / 150 V DC	
Nominal current	max. 3 A	
Max. diameter	AWG 20 / 0,5 mm²	
Mounting method	soldering	
Locking	bolt locking (UNC screw locking on request)	

Dimension drawing



Notes

UNC 4-40 bolts (1 pair) available as accessory.
Pre-wired cables with SUB-MIN-D connectors can be connected into the MSDD.

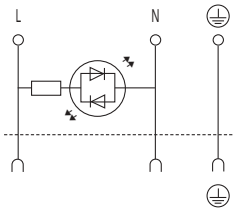
[1] UNC 4-40 screw fixing
[2] no plug socket

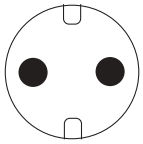
DIN-rail mountable plug sockets for control panels

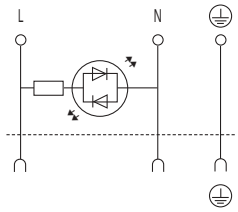
MSVD
German Norm (VDE)

MSVD
French Norm (UTE)

Circuit diagram

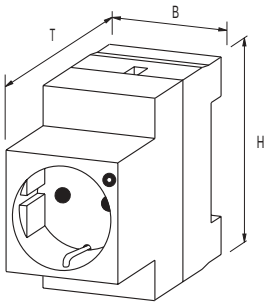


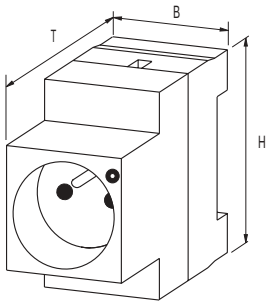




Ordering data	**Art.-No.**	**Art.-No.**	**Art.-No.**
250 V AC without LED	**67900**	**67950**	**67910**
250 V AC with LED	**67901**		**67911**
Technical data			
Input voltage	max. 250 V AC		
Supply current	max. 16 A		
Status indicator	LED yellow		
No. of poles	2 + earth contact		
Housing color	grey (RAL 7035)	yellow (RAL 1016)	grey (RAL 7035)
Mounting method	DIN-rail mounting to EN 50022		
Dimensions H x B x T	77 x 45 x 70 mm		

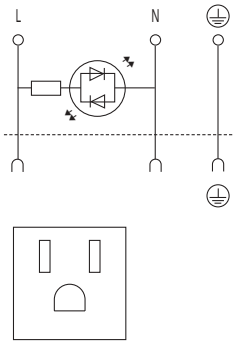
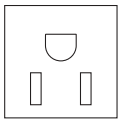
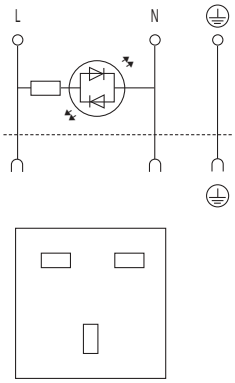
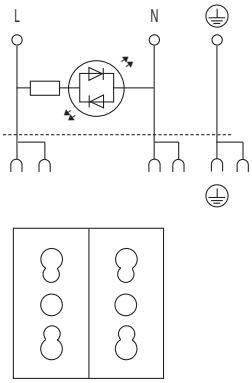
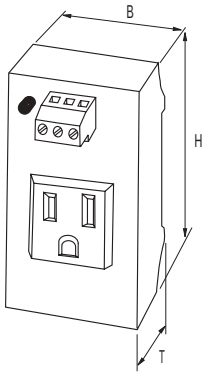
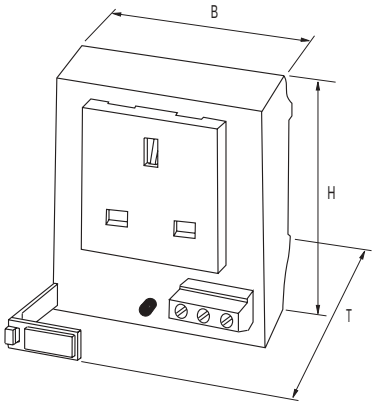
Dimension drawing





Notes

DIN-rail mountable plug sockets for control panels

	MSVD American Norm (NEMA 5-15) PE down side	**MSVD** American Norm (NEMA 5-15) PE up side	**MSVD** British Norm (BS)	**MSVD** Italian Norm 2-way
				
Circuit diagram				
				
Ordering data	**Art.-No.**	**Art.-No.**	**Art.-No.**	**Art.-No.**
Connection screw terminals	**676166**	**676152**	**676316**	**676315**
Technical data				
Input voltage	max. 110 V AC		max. 250 V AC	
Supply current	max. 15 A		max. 13 A	max. 15 A/plug socket
Status indicator	LED yellow		LED yellow	
No. of poles	2 + earth contact		2 + earth contact	
Housing color	black		black	
Mounting method	DIN-rail mounting to EN 50022		DIN-rail mounting to EN 50022	
Dimensions H x B x T	75 x 45 x 58 mm		75 x 70 x 58 mm	
Dimension drawing				
				
Notes				