



*stay connected*



## | MSDD Hybrid Fieldbus Coupling

- | Unique
- | Cost-effective
- | Intelligent



## MSDD HYBRID FIELDBUS COUPLING

From the Control Cabinet into the Field

## ALL-IN-ONE: REPEATER AND CABLE ENTRY SYSTEM



### UNIQUE, COST-EFFECTIVE AND INTELLIGENT

Murrelektronik's MSDD hybrid fieldbus couplings create pluggable connections. They transfer data and power from the control cabinet or the terminal box into the industrial field. The active interfaces combine a repeater function with a cable entry system from the control cabinet into the field.

This combination offers many advantages – installations that required a Profibus repeater in the control cabinet need only one component: the MSDD hybrid fieldbus coupling.

This does not only save space but offers economical benefits: The three independent Profibus ports of the active MSDD Hybrid Fieldbus Couplings outperform any other product!

They are galvanically separated and allow segment lengths of 100 meters (at a Baud rate of 12 Mbit/s) or even up to 200 meters (rate: 1.5 Mbit/s).

Another intelligent feature is the automatic Baud rate detection.

## ACTIVE MSDD HYBRID FIELDBUS COUPLINGS



### HIGHLIGHTS




- Copper variations and 2 x M12
- Profibus FMS/DP galvanically separated
- Automatic and continuous Baud rate detection
- Status indication via LED
- 3 independent Profibus ports
- 3 x segment length – 200 m at 1.5 Mbit/s and 100 m at 12 Mbit/s
- Cascading capability for 31 modules
- Repeater function and pluggable connection between control cabinet and IP67 fieldbus environment
- Double terminals, both for supply and signal transfer

### ADVANTAGES

- Two in one – repeater and control cabinet interface
- Conveniently plugged – quick setup and service
- Form does not require expensive angled connectors
- High noise immunity – galvanic separation

## VARIANTS

# ACTIVE

	CU, RS 485	CU, RS 485	M12, RS 485
			 <small>From 1<sup>st</sup> quarter 2010</small>
Technical Data	Art.-No. 67606	Art.-No. 67605	Art.-No. 67604
Type	Female/Female	Male/Female	2xM12, Female/Female
Nominal voltage	24 V DC		
Max. data rate	12 Mbit/s		
IP67 fieldbus connection	Han-Brid		M12 female 5-pole b-coded
Control cabinet interface	D SUB 9-pole		
Supply 24 V DC	Spring clamp terminals, single wire to stranded wire 0.25...2.5 mm <sup>2</sup>		
Material/housing	Plastic, flame retardant		
Temperature range	-25...+55°C (-13...+131°F)		
Dimensions (H x W x D)	103 x 93 x 65 mm		
Mounting cut-out (H x W)	90 x 80 mm		

## PASSIVE MSDD HYBRID FIELDBUS COUPLINGS



### HIGHLIGHTS




- Passive coupling of RS485 bus cables
- Cable entry system to IP67
- Profibus coupling with M12, 7/8" connection
- Copper variations female/female and female/male
- Integrated strain-relief on reverse side
- Blind plug for specific applications

### ADVANTAGES

- Conveniently plugged – quick setup and service
- Form does not require expensive, angled connectors

## VARIANTS

# PASSIVE

	CU, RS 485	CU, RS 485	M12, 7/8", RS 485
			
<b>Technical Data</b>	<b>Art.-No.</b> <b>67598</b>	<b>Art.-No.</b> <b>67599</b>	<b>Art.-No.</b> <b>67254</b>
Type	Female/Female	Male/Female	1xM12 Female, 1x7/8" Female
Nominal voltage	24 V DC		
Fieldbus coupling IP67	Han-Brid		M12 female 5-pole b-coded
Control cabinet coupling	Spring clamp terminals 0.08...0.5 mm <sup>2</sup>		D SUB 9-pole
Supply 24 V DC	Spring clamp terminals, single wire to stranded wire 0.25...2.5 mm <sup>2</sup>		
Material/housing	Plastic, flame retardant		
Temperature range	-25...+55°C (-13...+131°F)		
Dimensions (H x W x D)	103 x 93 x 65 mm		
Mounting cut-out (H x W)	90 x 80 mm		



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