

Round plug connector M12

Field-wireable
with isolation displacement
technology

Male
straight



Female
straight



Approvals: cUL[®]US

1	Form	No.	1 2 4 6 1	1 2 4 8 1	1 2 5 8 1	1 2 6 0 1
Suppression/Circuit diagram			3-pole	4-pole	3-pole	4-pole
Wire diameter			0.25...0.5 mm²	0.25...0.5 mm²	0.25...0.5 mm²	0.25...0.5 mm²
Contact layout						
Technical data						
Supply voltage			max. 32 V			
Nominal current			max. 3 A			
Voltage isolation			500 V			
Conductor diameter			≥ 0.1 mm (DIN VDE 0812)			
Outer wire diameter			1.2...1.6 mm			
Outer cable diameter			4...5.1 mm			
Wire isolation			PVC, PP, TPE			
Connection frequency			10			
Protection			IP67 when plugged and screwed down (EN 60529)			
Temperature range			-25...+85 °C			
Combustibility class to UL 94			V0			
Your article no.						
The composition of your article number is explained on page 1.1.2			7000 — — — — — Murrelektronik Standard — 000 — — — — — 0000 — — — — —			
			1 Form			

Notes

Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Field-wireable

with isolation displacement
technology

Male
straight



Female
straight



1	Form	No.	1 2 4 9 1		1 2 6 1 1	
	Suppression/Circuit diagram	4-pole			4-pole	
	Wire diameter	0.14...0.34 mm²			0.14...0.34 mm²	
	Contact layout					
	Technical data					
	Supply voltage		max. 32 V			
	Nominal current		max. 3 A			
	Voltage isolation		500 V			
	Conductor diameter		≥ 0.1 mm (DIN VDE 0812)			
Outer wire diameter		1.2...1.6 mm				
Outer cable diameter		4...5.1 mm				
Wire isolation		PVC, PP, TPE				
Connection frequency		10				
Protection		IP67 when plugged and screwed down (EN 60529)				
Temperature range		-25...+85 °C				
Your article no.						
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1 Form						
Notes						
Accessories and technical data in chapter 1.10. Further cable lengths on request.						

Round plug connector M12



Field-wireable
with isolation displacement
technology

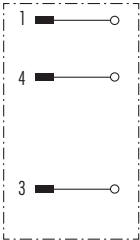
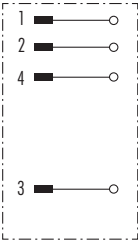
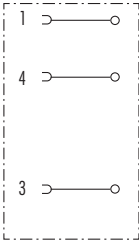
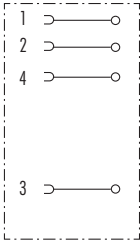
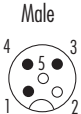
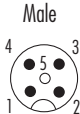
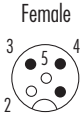
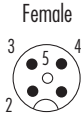
Male
90°



Female
90°



Approvals: cULus

1	Form	No.	1 2 5 4 1	1 2 5 6 1	1 2 6 6 1	1 2 6 8 1
Suppression/Circuit diagram			3-pole	4-pole	3-pole	4-pole
						
Wire diameter			0.25...0.5 mm²	0.25...0.5 mm²	0.25...0.5 mm²	0.25...0.5 mm²
Contact layout						
Technical data						
Supply voltage			max. 32 V			
Nominal current			max. 3 A			
Voltage isolation			500 V			
Conductor diameter			≥ 0.1 mm (DIN VDE 0812)			
Outer wire diameter			1.2...1.6 mm			
Outer cable diameter			4...5.1 mm			
Wire isolation			PVC, PP, TPE			
Connection frequency			10			
Protection			IP67 when plugged and screwed down (EN 60529)			
Temperature range			-25...+85 °C			
Combustibility class to UL 94			V0			
Your article no.						
The composition of your article number is explained on page 1.1.2			7000 — — — — — 000 0000 Murrelektronik Standard			
			1 Form			

Notes

Accessories and technical data in chapter 1.10.
Further cable lengths on request.

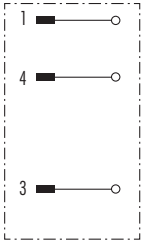
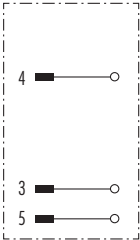
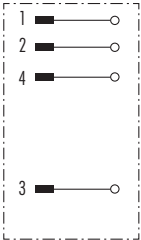
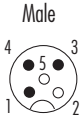
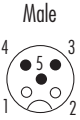
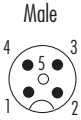
Round plug connector M12



Field-wireable
with isolation displacement
technology

Male
straight



1	Form	No.	12501	12511	12521	
	Suppression/Circuit diagram		3-pole	3-pole	4-pole	
						
	Wire diameter		0.5...1.0 mm²	0.5...1.0 mm²	0.5...1.0 mm²	
	Contact layout					
Technical data						
Supply voltage		max. 32 V				
Nominal current		max. 3 A				
Voltage isolation		500 V				
Conductor diameter		≥ 0.1 mm (DIN VDE 0812)				
Outer wire diameter		1.6...2.0 mm				
Outer cable diameter		5.5...8.0 mm				
Wire isolation		PVC, PP, TPE				
Connection frequency		10				
Protection		IP67 when plugged and screwed down (EN 60529)				
Temperature range		-25...+85 °C				
Combustibility class to UL 94		V0				
Your article no.						
The composition of your article number is explained on page 1.1.2		7000 — — 000 0000 Murrelektronik Standard				
		1 Form				
Notes		Accessories and technical data in chapter 1.10.				

Round plug connector M12

Field-wireable
with isolation displacement
technology

Female
straight



1	Form	No.	1 2 6 2 1	1 2 6 3 1	1 2 6 4 1	
	Suppression/Circuit diagram		3-pole	3-pole	4-pole	
	Wire diameter		0.5...1.0 mm²	0.5...1.0 mm²	0.5...1.0 mm²	
	Contact layout					

Round plug connector M12

Technical data

Supply voltage	max. 32 V
Nominal current	max. 3 A
Voltage isolation	500 V
Conductor diameter	≥ 0.1 mm (DIN VDE 0812)
Outer wire diameter	1.6...2.0 mm
Outer cable diameter	5.5...8.0 mm
Wire isolation	PVC, PP, TPE
Connection frequency	10
Protection	IP67 when plugged and screwed down (EN 60529)
Temperature range	-25...+85 °C
Combustibility class to UL 94	V0

Your article no.

The composition
of your article number
is explained
on page 1.1.2

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Murrelektronik
Standard

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— — — — —

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0 0 0

0 0 0 0

1 Form

Notes

Accessories and technical data in chapter 1.10.

Round plug connector M12



Field-wireable
with screw terminals

Male
straight



Female
straight



Approvals:

Round plug connector M12

1	Form	No.	1 2 7 0 1	1 2 7 2 1	1 2 9 0 1	1 2 9 2 1
Suppression/Circuit diagram			4-pole	5-pole	4-pole	5-pole
Clamping range screw thread			PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm
Contact layout						
Technical data						
Supply voltage			250 V AC/DC	125 V AC/DC	250 V AC/DC	125 V AC/DC
Current per contact			max. 4 A			
Connection type			screw terminals			
Connection diameter			max. 0.75 mm²			
Protection			IP67 when plugged and screwed down (EN 60529)			
Temperature range			-40...+85 °C			
Housing material			Flame retardant plastic, resistant against standard coding agents and lubricants			
Clamping range screw thread			PG7: 4...6 mm (clamping range 2.5...4 mm on request)			
Your article no.						
The composition of your article number is explained on page 1.1.2			7000 Murrelektronik Standard 000 0000			
			1 Form			
Notes			Accessories and technical data in chapter 1.10.			

Round plug connector M12

Field-wireable
with screw terminals

Male
straight



Female
straight



Approvals: **UL**

1	Form	No.	1 2 7 4 1	1 2 7 6 1	1 2 9 4 1	1 2 9 6 1
	Suppression/Circuit diagram		4-pole	5-pole	4-pole	5-pole
	Clamping range screw thread		PG9 6...8 mm	PG9 6...8 mm	PG9 6...8 mm	PG9 6...8 mm
	Contact layout		Male	Male	Female	Female
	Technical data					
	Supply voltage		250 V AC/DC	125 V AC/DC	250 V AC/DC	125 V AC/DC
	Current per contact		max. 4 A			
	Connection type		screw terminals			
	Connection diameter		max. 0.75 mm ²			
	Protection		IP67 when plugged and screwed down (EN 60529)			
	Temperature range		-40...+85 °C			
	Housing material		Flame retardant plastic, resistant against standard coding agents and lubricants			
	Clamping range screw thread		PG9: 6...8 mm			
	Your article no.					
	The composition of your article number is explained on page 1.1.2		7 0 0 0 - — — — — - 0 0 0 0 0 0 0 Murrelektronik Standard			
			1	Form		
	Notes		Accessories and technical data in chapter 1.10.			

Round plug connector M12



Field-wireable Y-distributor
with screw terminals

Male
straight



Approvals:

Round plug connector M12	1	Form	No.	1 2 7 8 1	1 2 8 0 1		
		Suppression/Circuit diagram		4-pole	5-pole		
		Clamping range screw thread		PG11 2.1...3/4...5 mm	PG11 2.1...3/4...5 mm		
		Contact layout					
		Technical data					
		Supply voltage		250 V AC/DC	125 V AC/DC		
		Current per contact		max. 4 A			
		Connection type		screw terminals			
		Connection diameter		max. 0.75 mm ²			
		Protection		IP67 when plugged and screwed down (EN 60529)			
		Temperature range		-40...+85 °C			
		Housing material		Flame retardant plastic, resistant against standard coding agents and lubricants			
		Clamping range screw thread		PG11: 2.1...3/4...5 mm (2 outgoing cables)			
		Your article no.					
		The composition of your article number is explained on page 1.1.2					
				1 Form			
		Notes		Accessories and technical data in chapter 1.10.			

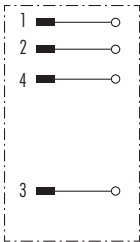
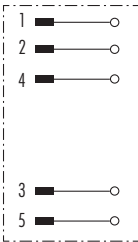
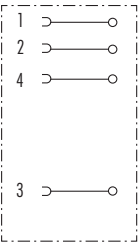
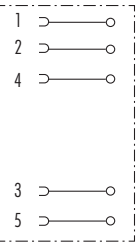
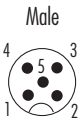
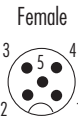
Round plug connector M12



Field-wireable
with screw terminals



Approvals:

1	Form	No.	1 2 8 2 1	1 2 8 4 1	1 2 9 8 1	1 3 0 0 1
Suppression/Circuit diagram		4-pole				
Clamping range screw thread		PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm
Contact layout						
Technical data						
Supply voltage		250 V AC/DC				
Current per contact		max. 4 A				
Connection type		screw terminals				
Connection diameter		max. 0.75 mm²				
Protection		IP67 when plugged and screwed down (EN 60529)				
Temperature range		-40...+85 °C				
Housing material		Flame retardant plastic, resistant against standard coding agents and lubricants				
Clamping range screw thread		PG7 4...6 mm (clamping range 2.5...4 mm on request)				
Your article no.						
The composition of your article number is explained on page 1.1.2		7000 Murrelektronik Standard — — — — — 000 0000				
		1 Form				
Notes		Accessories and technical data in chapter 1.10.				

Round plug connector M12

Field-wireable
with screw terminals

Male
90°



Female
90°



Approvals: c us

1	Form	No.	1 2 8 6 1	1 2 8 8 1	1 3 0 2 1	1 3 0 4 1
Suppression/Circuit diagram			4-pole	5-pole	4-pole	5-pole
Clamping range screw thread			PG9 6...8 mm	PG9 6...8 mm	PG9 6...8 mm	PG9 6...8 mm
Contact layout						
Technical data						
Supply voltage			250 V AC/DC	125 V AC/DC	250 V AC/DC	125 V AC/DC
Current per contact			max. 4 A			
Connection type			screw terminals			
Connection diameter			max. 0.75 mm²			
Protection			IP67 when plugged and screwed down (EN 60529)			
Temperature range			-40...+85 °C			
Housing material			Flame retardant plastic, resistant against standard coding agents and lubricants			
Clamping range screw thread			PG9: 6...8 mm			
Your article no.						
The composition of your article number is explained on page 1.1.2			7000 - - 000 0000 Murrelektronik Standard			
			1 Form			
Notes			Accessories and technical data in chapter 1.10.			

Round plug connector M12



Field-wireable
with screw terminals

Male
straight, shielded



Female
straight, shielded



1	Form	No.	1 3 3 0 1	1 3 3 2 1	1 3 3 8 1	1 3 4 0 1
	Suppression/Circuit diagram	5-pole				
	Clamping range screw thread	PG7 4...6 mm	PG9 6...8 mm	PG7 4...6 mm	PG9 6...8 mm	
	Contact layout					
	Technical data					
	Supply voltage	max. 125 V AC/DC				
	Current per contact	max. 4 A				
	Connection type	screw terminals				
	Connection diameter	max. 0.75 mm²				
	Protection	IP67 when plugged and screwed down (EN 60529)				
	Temperature range	-40...+85 °C				
	Housing material	CuZn, nickel plated				
	Clamping range screw thread	PG7: 4...6 mm	PG9: 6...8 mm	PG7: 4...6 mm	PG9: 6...8 mm	
Your article no.						
The composition of your article number is explained on page 1.1.2	7000 — — 000 0000 Murrelektronik Standard					
1 Form						
Notes	Accessories and technical data in chapter 1.10.					

Round plug connector M12

Field-wireable
with screw terminals

Male
90°, shielded



Female
90°, shielded



1	Form	No.	1 3 3 4 1	1 3 3 6 1	1 3 4 2 1	1 3 4 4 1
Suppression/Circuit diagram			5-pole	5-pole	5-pole	5-pole
Clamping range screw thread			PG7 4...6 mm	PG9 6...8 mm	PG7 4...6 mm	PG9 6...8 mm
Contact layout						
Technical data						
Supply voltage			max. 125 V AC/DC			
Current per contact			max. 4 A			
Connection type			screw terminals			
Connection diameter			max. 0.75 mm²			
Protection			IP67 when plugged and screwed down (EN 60529)			
Temperature range			-40...+85 °C			
Housing material			CuZn, nickel plated			
Clamping range screw thread			PG7: 4...6 mm	PG9: 6...8 mm	PG7: 4...6 mm	PG9: 6...8 mm
Your article no.						
The composition of your article number is explained on page 1.1.2			7000 — — — — 000 0000 Murrelektronik Standard			
1 Form						
Notes						
Accessories and technical data in chapter 1.10.						