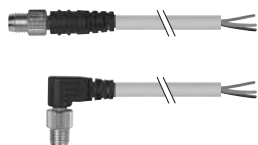


Open ended wires



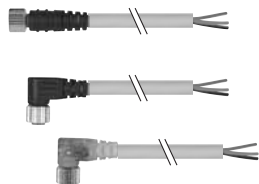
Round plug connector

Male

M8

straight
90°

page 1.2.1



Round plug connector

Female

M8

straight
90°
90° with LED

page 1.2.3

Field-wireable



Round plug connector

Male
Female

M8

straight
straight

Insulation displacement technology

Insulation displacement as HARAX®, a registered trademark of HARTING KGaA

page 1.2.5



Round plug connector

Male
Female

M8

straight
straight

Solder pins

page 1.2.7



Round plug connector









Male
Female

M8

90°
90°

Solder pins

page 1.2.8

Connection cable							
		Round plug connector M8	Male	straight	Round plug connector M8	Female	straight 90° 90° with LED
		Round plug connector M8	Male	90°	Round plug connector M8	Female	straight 90° 90° with LED
		Round plug connector M8	Male	straight	Round plug connector M12	Female	straight 90° 90° with LED
				90°			
							page 1.2.15

Round plug connector M8

with open ended wires

Male
straight



Approvals:

Round plug connector M8

1	Form	No.	08001			08011		
	Suppression/Circuit diagram	3-pole			4-pole			
	Contact layout			Contact layout				
2	Cable type	Jacket color			Jacket color			
	Wire diameter 0.25 mm ²	yellow	gray	black	yellow	gray	black	
	PVC	010	210	610	011	211	611	
	PUR/PVC	020	220	620	021	221	621	
	PUR (UL/CSA-listed)	030	230	630	031	231	631	
Suitable for robot cable (irradiated)	050	250	650	051	251	651		
3	Cable length							
	1.5 m	0150						
	3.0 m	0300						
	5.0 m	0500						
	7.5 m	0750						
	10.0 m	1000						
Your article no.								
The composition of your article number is explained on page 1.1.2	7 0 0 0			-	- - - -		-	
	Murrelektronik Standard			- - - -		- - - -		- - - -
1 Form			2 Cable type			3 Cable length		
Notes								
Accessories and technical data in chapter 1.10. Further cable lengths on request.								

Round plug connector M8

with open ended wires

Male
90°



Approvals:

1	Form	No.	08021			08031		
	Suppression/Circuit diagram	3-pole			4-pole			
	Contact layout 							
2	Cable type	Jacket color			Jacket color			
	Wire diameter 0.25 mm² PVC PUR/PVC PUR (UL/CSA-listed) Suitable for robot cable (irradiated)	yellow	gray	black	yellow	gray	black	
		010	210	610	011	211	611	
		020	220	620	021	221	621	
		030	230	630	031	231	631	
		050	250	650	051	251	651	
3	Cable length							
	1.5 m	0150						
3.0 m	0300							
5.0 m	0500							
7.5 m	0750							
10.0 m	1000							
Your article no.		<div style="display: flex; align-items: center; justify-content: center; gap: 10px;"> <div style="border: 1px solid gray; padding: 5px; text-align: center;"> 7 0 0 0 Murrelektronik Standard </div> - <div style="border: 1px solid gray; width: 40px; height: 20px; background-color: #cccccc;"></div> - <div style="border: 1px solid gray; width: 40px; height: 20px; background-color: #cccccc;"></div> </div>						
The composition of your article number is explained on page 1.1.2		<div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="background-color: #e0f2f1; padding: 5px; border: 1px solid gray;">1 Form</div> <div style="background-color: #e0f2f1; padding: 5px; border: 1px solid gray;">2 Cable type</div> <div style="background-color: #e0f2f1; padding: 5px; border: 1px solid gray;">3 Cable length</div> </div>						
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.						

Round plug connector M8

with open ended wires

Female straight



Approvals:

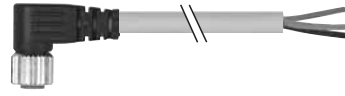
Round plug connector M8

1	Form	No.	08041			08061					
	Suppression/Circuit diagram	3-pole									
	Contact layout	Female									
2	Cable type	Jacket color			Jacket color						
	Wire diameter 0.25 mm ²	yellow	gray	black	yellow	gray	black				
	PVC	010	210	610	011	211	611				
	PUR/PVC	020	220	620	021	221	621				
	PUR (UL/CSA-listed)	030	230	630	031	231	631				
	Suitable for robot cable (irradiated)	050	250	650	051	251	651				
3	Cable length										
	1.5 m	0150									
	3.0 m	0300									
	5.0 m	0500									
	7.5 m	0750									
	10.0 m	1000									
	Your article no.										
	The composition of your article number is explained on page 1.1.2	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> 7 0 0 0 Murrelektronik Standard </div> - <div style="border: 1px solid black; width: 60px; height: 30px; background-color: #cccccc;"></div> - <div style="border: 1px solid black; width: 60px; height: 30px; background-color: #cccccc;"></div> - <div style="border: 1px solid black; width: 60px; height: 30px; background-color: #cccccc;"></div> </div>									
		1	Form			2	Cable type		3	Cable length	
Notes	Accessories and technical data in chapter 1.10. Further cable lengths on request.										

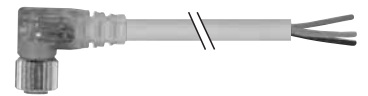
Round plug connector M8

with open ended wires

Female
90°



Female
90°, with LED



Approvals:

1		Form No.	08081	08101	08121			
Suppression/Circuit diagram		3-pole		4-pole				
Contact layout					(NPN) on request			
2		Cable type	Jacket color			Jacket color		
Wire diameter 0.25 mm ²			yellow	gray	black	yellow	gray	black
PVC			010	210	610	011	211	611
PUR/PVC			020	220	620	021	221	621
PUR (UL/CSA-listed)			030	230	630	031	231	631
Suitable for robot cable (irradiated)			050	250	650	051	251	651
3		Cable lengths						
1.5 m			0150					
3.0 m			0300					
5.0 m			0500					
7.5 m			0750					
10.0 m			1000					
Your article no.								
The composition of your article number is explained on page 1.1.2								
		1 Form		2 Cable type		3 Cable length		
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.						

Round plug connector M8

Round plug connector M8

for field wiring
with isolation displacement
technology

Male
straight



Female
straight



Approvals:

Round plug connector M8

1	Form	No.	08321	08341	08361	08381
	Suppression/Circuit diagram		3-pole	4-pole	3-pole	4-pole
	Wire diameter		0.25...0.5 mm ²	0.25...0.5 mm ²	0.25...0.5 mm ²	0.25...0.5 mm ²
	Contact layout		Male 	Male 	Female 	Female

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 (DIN 40050)
Temperature range	-25...+85 °C
Combustibility class to UL 94	VO

Your article no.

The composition
of your article number
is explained
on page 1.1.2

7 0 0 0

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— — — —

0 0 0

-

0 0 0 0

Murrelektronik
Standard

1 Form

Notes

Accessories and technical data in chapter 1.10.

Round plug connector M8

for field wiring
with isolation displacement
technology

Male
straight



Female
straight



1	Form	No.	08331	08351	08371	08391
	Suppression/Circuit diagram		3-pole	4-pole	3-pole	4-pole
	Wire diameter		0.14...0.34 mm ²	0.14...0.34 mm ²	0.14...0.34 mm ²	0.14...0.34 mm ²
	Contact layout		Male 	Male 	Female 	Female

Technical Data

Supply voltage	max. 32 V
Nominal current	max. 4 A
Voltage isolation	500 V
Conductor diameter	≥ 0.1 mm (DIN VDE 0812)
Outer wire diameter	1.2...1.6 mm
Outer cable diameter	black gasket 3.2...4.4 mm, transparent gasket 4.2...5.4 mm
Wire isolation	PVC, PP, TPE
Connection frequency	10
Protection	IP67

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 M8

for field wiring
with solder pins

Male
straight



Female
straight



Round plug connector M8

1

Form	No.	08401	08421	08481	08501
Suppression/Circuit diagram		3-pole	4-pole	3-pole	4-pole
Wire diameter		max. 0.25 mm ²	max. 0.25 mm ²	max. 0.25 mm ²	max. 0.25 mm ²
Contact layout		Male 	Male 	Female 	Female

Technical Data

Supply voltage	60 V AC/DC
Isolation group	category III to VDE 0110
Current / contact (40 °C)	max. 4 A
Wiring method	solder pins
Protection	IP67 when plugged and screwed down (DIN 40050)
Temperature range	-40...+85 °C
Clamping range: Cable exist	max. 5.0 mm

Your article no.

The composition of your article number is explained on page 1.1.2

7 0 0 0
Murrelektronik
Standard

- - - - -

0 0 0

0 0 0 0

1 Form

Notes

Accessories and technical data in chapter 1.10.

Round plug connector M8

for field wiring
with solder pins

Male
90°



Female
90°



1	Form	No.	08441	08461	08521	08541
	Suppression/Circuit diagram		3-pole	4-pole	3-pole	4-pole
	Wire diameter		max. 0.25 mm ²	max. 0.25 mm ²	max. 0.25 mm ²	max. 0.25 mm ²
	Contact layout		<p>Male</p>	<p>Male</p>	<p>Female</p>	<p>Female</p>
Technical Data						
	Supply voltage		60 V AC/DC			
	Isolation group		category III to VDE 0110			
	Current / contact (40 °C)		max. 4 A			
	Wiring method		solder pins			
	Protection		IP67 when plugged and screwed down (DIN 40050)			
	Temperature range		-40...+85 °C			
	Clamping range: Cable exist		max. 5.0 mm			
Your article no.						
	The composition of your article number is explained on page 1.1.2		<div style="border: 1px solid black; padding: 2px; display: inline-block;">7 0 0 0</div> - <div style="border: 1px solid black; padding: 2px; display: inline-block;">_ _ _ _</div> - <div style="border: 1px solid black; padding: 2px; display: inline-block;">0 0 0</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 20px;">0 0 0 0</div>			
			1 Form			
Notes						
Accessories and technical data in chapter 1.10.						

Round plug connector M8

Connection cable
M8 - M8

Male
straight

Female
straight



Approvals:

Round plug connector M8

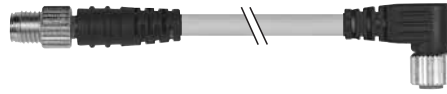
1	Form	No.	88001			88011		
	Suppression/Circuit diagram	3-pole						
	Contact layout							
2	Cable type	Jacket color			Jacket color			
	Wire diameter 0.25 mm²	yellow	gray	black	yellow	gray	black	
	PVC	010	210	610	011	211	611	
	PUR/PVC	020	220	620	021	221	621	
	PUR (UL/CSA-listed)	030	230	630	031	231	631	
Suitable for robot cable (irradiated)	050	250	650	051	251	651		
3	Cable length							
	0.3 m	0030						
	0.6 m	0060						
	1.0 m	0100						
	1.5 m	0150						
	2.0 m	0200						
Your article no.								
The composition of your article number is explained on page 1.1.2								
	1 Form		2 Cable type			3 Cable length		
Notes								
Accessories and technical data in chapter 1.10. Further cable lengths on request.								

Round plug connector M8

Connection cable
M8 - M8

Male
straight

Female
90°



Approvals:

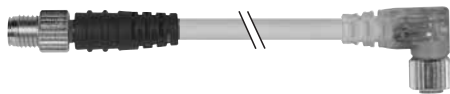
1 Form		No.	88021	88031			
Suppression/Circuit diagram		3-pole					
Contact layout							
2 Cable type		Jacket color					
Wire diameter 0.25 mm ²		yellow	gray	black	yellow	gray	black
PVC		010	210	610	011	211	611
PUR/PVC		020	220	620	021	221	621
PUR (UL/CSA-listed)		030	230	630	031	231	631
Suitable for robot cable (irradiated)		050	250	650	051	251	651
3 Cable length							
0.3 m		0030					
0.6 m		0060					
1.0 m		0100					
1.5 m		0150					
2.0 m		0200					
Your article no.							
The composition of your article number is explained on page 1.1.2							
		1 Form		2 Cable type		3 Cable length	
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.					

Round plug connector M8

Connection cable
M8 - M8

Male
straight

Female
90°, with LED

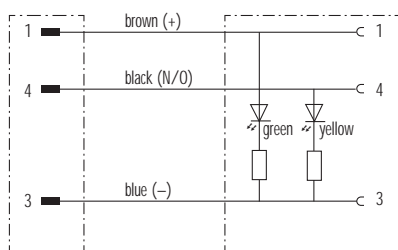


Approvals:

Round plug connector M8

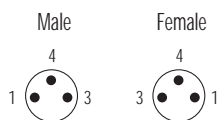
1	Form	No.	88041
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Suppression/Circuit diagram **3-pole with 2 x LED (PNP)**



(NPN) on request

Contact layout



2	Cable type	Jacket color
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Wire diameter 0.25 mm ²	yellow	gray	black
PVC	010	210	610
PUR/PVC	020	220	620
PUR (UL/CSA-listed)	030	230	630
Suitable for robot cable (irradiated)	050	250	650

3	Cable length
----------	---------------------

0.3 m	0030
0.6 m	0060
1.0 m	0100
1.5 m	0150
2.0 m	0200

Your article no.

The composition of your article number is explained on page 1.1.2



1 Form **2** Cable type **3** Cable length

Notes

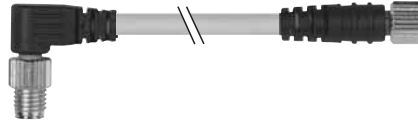
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M8

Connection cable
M8 - M8

Male
90°

Female
straight



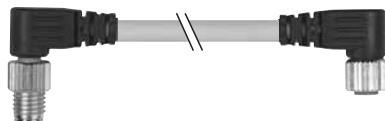
1		Form	No.	88061	88071								
Suppression/Circuit diagram		3-pole		4-pole									
Contact layout													
2		Cable type	Jacket color										
		Wire diameter 0.25 mm ²	yellow	gray	black	yellow	gray	black					
		PVC	010	210	610	011	211	611					
		PUR/PVC	020	220	620	021	221	621					
		PUR (UL/CSA-listed)	030	230	630	031	231	631					
		Suitable for robot cable (irradiated)	050	250	650	051	251	651					
3		Cable length											
		0.3 m	0030										
		0.6 m	0060										
		1.0 m	0100										
		1.5 m	0150										
		2.0 m	0200										
Your article no.													
The composition of your article number is explained on page 1.1.2													
		1		Form		2		Cable type		3		Cable length	
Notes		<p>Accessories and technical data in chapter 1.10. Further cable lengths on request.</p>											

Round plug connector M8

Connection cable
M8 - M8

Male
90°

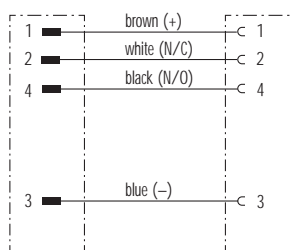
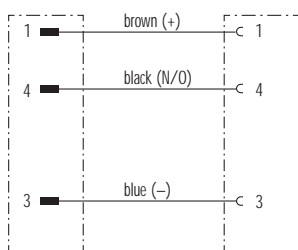
Female
90°



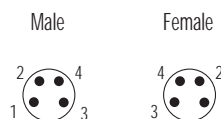
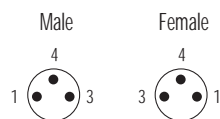
Round plug connector M8

1	Form	No.	88081	88091
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Suppression/Circuit diagram	3-pole	4-pole
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Contact layout



2	Cable type	Jacket color	Jacket color
----------	-------------------	---------------------	---------------------

Wire diameter 0.25 mm²	yellow	gray	black	yellow	gray	black
PVC	010	210	610	011	211	611
PUR/PVC	020	220	620	021	221	621
PUR (UL/CSA-listed)	030	230	630	031	231	631
Suitable for robot cable (irradiated)	050	250	650	051	251	651

3	Cable length
----------	---------------------

0.3 m	0030
0.6 m	0060
1.0 m	0100
1.5 m	0150
2.0 m	0200

Your article no.

The composition of your article number is explained on page 1.1.2



1	Form	2	Cable type	3	Cable length
----------	-------------	----------	-------------------	----------	---------------------

Notes

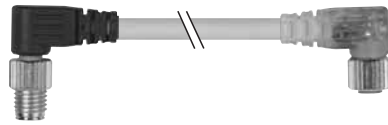
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M8

Connection cable
M8 - M8

Male
90°

Female
90°, with LED



Approvals:

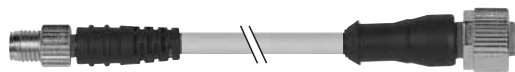
1	Form	No.	88101		
	Suppression/Circuit diagram	3-pole with 2 x LED (PNP)			
	Contact layout	<p>(NPN) on request</p>			
2	Cable type	Jacket color			
	Wire diameter 0.25 mm ²	yellow	gray	black	
	PVC	010	210	610	
	PUR/PVC	020	220	620	
	PUR (UL/CSA-listed)	030	230	630	
	Suitable for robot cable (irradiated)	050	250	650	
3	Cable length				
	0.3 m	0030			
	0.6 m	0060			
	1.0 m	0100			
	1.5 m	0150			
	2.0 m	0200			
	Your article no.				
	The composition of your article number is explained on page 1.1.2				
		1	Form	2	Cable type
		3	Cable length		
Notes					
	Accessories and technical data in chapter 1.10. Further cable lengths on request.				

Round plug connector M8

Connection cable
M8 - M12

Male
straight

Female
straight



Approvals:

Round plug connector M8

1	Form	No.	88241		
	Suppression/Circuit diagram	3-pole			
	Contact layout				
2	Cable type	Jacket color			
	Wire diameter 0.25 mm ²	yellow	gray	black	
	PVC	010	210	610	
	PUR/PVC	020	220	620	
	PUR (UL/CSA-listed)	030	230	630	
	Suitable for robot cable (irradiated)	050	250	650	
3	Cable length				
	0.3 m	0030			
	0.6 m	0060			
	1.0 m	0100			
	1.5 m	0150			
	2.0 m	0200			
Your article no.					
The composition of your article number is explained on page 1.1.2					
		1		2	
		Form		Cable type	
		3		3	
		Cable length			
Notes					
Accessories and technical data in chapter 1.10. Further cable lengths on request.					

Round plug connector M8

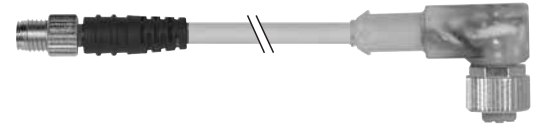
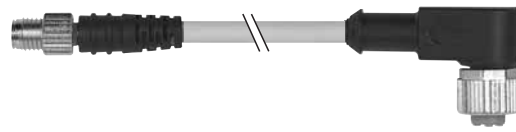
Connection cable
M8 - M12

Male
straight

Female
90°

Male
straight

Female
90°, with LED



Approvals:

1 Form		No. 88261			No. 88281		
Suppression/Circuit diagram		3-pole			3-pole with 2 x LED (PNP)		
Contact layout							
2 Cable type		Jacket color			Jacket color		
Wire diameter 0.25 mm ²		yellow	gray	black	yellow	gray	black
PVC		010	210	610	010	210	610
PUR/PVC		020	220	620	020	220	620
PUR (UL/CSA-listed)		030	230	630	030	230	630
Suitable for robot cable (irradiated)		050	250	650	050	250	650
3 Cable length							
0.3 m		0030					
0.6 m		0060					
1.0 m		0100					
1.5 m		0150					
2.0 m		0200					
Your article no.							
The composition of your article number is explained on page 1.1.2							
		1 Form			2 Cable type		3 Cable length
Notes							
		Accessories and technical data in chapter 1.10.			Further cable lengths on request.		

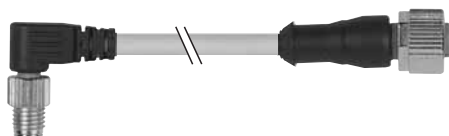
Round plug connector M8

Round plug connector M8

Connection cable
M8 - M12

Male
90°

Female
straight



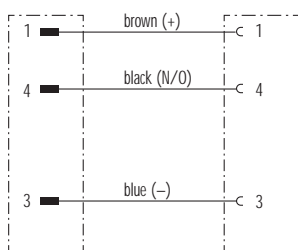
Approvals:



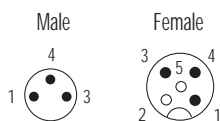
Round plug connector M8

1	Form	No.	88301		
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Suppression/Circuit diagram	3-pole				
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Contact layout					
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2	Cable type	Jacket color			
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Wire diameter 0.25 mm ²	yellow	gray	black		
PVC	010	210	610		
PUR/PVC	020	220	620		
PUR (UL/CSA-listed)	030	230	630		
Suitable for robot cable (irradiated)	050	250	650		

3	Cable length				
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0.3 m	0030				
0.6 m	0060				
1.0 m	0100				
1.5 m	0150				
2.0 m	0200				

Your article no.

The composition of your article number is explained on page 1.1.2



Murrelektronik Standard

1	Form	2	Cable type	3	Cable length
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Notes

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

Round plug connector M8

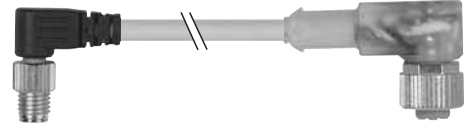
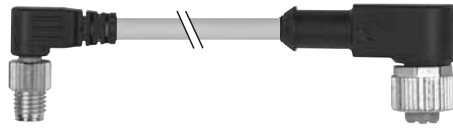
Connection cable
M8 - M12

Male
90°

Female
90°

Male
90°

Female
90°, with LED



Approvals:

1	Form	No.	88321			88341		
	Suppression/Circuit diagram		3-pole			3-pole with 2 x LED (PNP)		
Contact layout								
					(NPN) on request			
2	Cable type	Jacket color			Jacket color			
	Wire diameter 0.25 mm ²	yellow	gray	black	yellow	gray	black	
	PVC	010	210	610	010	210	610	
	PUR/PVC	020	220	620	020	220	620	
	PUR (UL/CSA-listed)	030	230	630	030	230	630	
	Suitable for robot cable (irradiated)	050	250	650	050	250	650	
3	Cable length							
	0.3 m		0030					
	0.6 m		0060					
	1.0 m		0100					
	1.5 m		0150					
	2.0 m		0200					
Your article no.								
The composition of your article number is explained on page 1.1.2								
		1		2		3		
		Form		Cable type		Cable length		
Notes								
Accessories and technical data in chapter 1.10. Further cable lengths on request.								