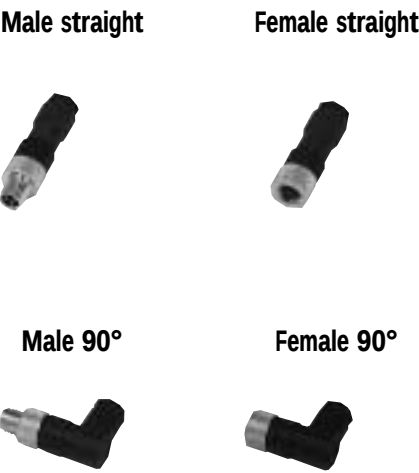


Round plug connector M8
for field wiring



General:
The contact insert can be turned in 90° steps.
The cable exit has strain relief.

Pin arrangement		
	3-pole Male Female	4-pole Male Female
Male	Art.-No.	Art.-No.
Version		
Straight	3827605	3827625
90°	3827615	3827635
Female	Art.-No.	Art.-No.
Version		
Straight	3827600	3827620
90°	3827610	3827630
Technical data		
Supply voltage	50 V AC / 70 V DC	
Insulation group	category III to VDE 0110	
Current / contact	max. 4 A	
Wiring method	solder pins	
Core diameter	max. 0,25 mm ²	
Protection	IP 67 when plugged and screwed down (DIN 40050)	
Round plug connector	application class HNA (to DIN 40040)	
Temperature range	-25...+90 °C	
Housing	flame retardant plastic, resistant against standard cooling agents and lubricants	
Clamping Range: Cable exit	max. 5,0 mm	
Notes		
Technical data can be found on page 1.7.1		

Round plug connector M8

Round plug connector M8
with MOSA
Insulation displacement
technology

Male straight

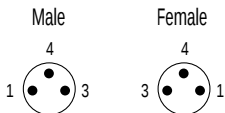


Female straight

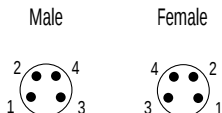


Pin arrangement

3-pole



4-pole



Male	Art.-No.	Art.-No.
Version		
Straight	3827641	3827640

Female	Art.-No.	Art.-No.
Version		
Straight	3827643	3827642

Technical data	
Supply voltage	max. 32 V
Nominal current	max. 3 A
Voltage resistance	500 V
Wire diameter	0,25 mm ² ... 0,5 mm ²
Conductor diameter	≥ 0,1 mm (to DIN VDE 0812)
Outer wire diameter	1,2 ... 1,6 mm
Outer cable diameter	4 ... 5,1 mm
Wire insulation	PVC, PE
Connection frequency	10
Protection	IP 67 when plugged and screwed down (DIN 40050)
Temperature range	-25 ... +85 °C
Combustibility class UL 94	V0

Notes	Technical data can be found on page 1.7.1 HARAX® is a registered trademark of Fa. HARTING KGaA.
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Round plug connector M8



Male M8
with pre-wired cable

and

open ended wire

Male straight

Male 90°

Male straight
snap in

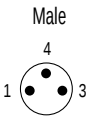
Male 90°
snap in



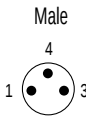
Pin arrangement

- General:
- Contact 1: brown (+)
 - Contact 2: white (N/C)
 - Contact 3: blue (-)
 - Contact 4: black (N/O)

3-pole
for N/O or N/C



3-pole
for N/O or N/C



Ordering data		Art.-No.	Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length				
PUR	1,5 m	3833502	3833566	3933502	3933566
Wire diameter 0,25 mm ²	3,0 m	3833503	3833567	3933503	3933567
Identification JB	5,0 m	3833506	3833568	3933506	3933568
	7,5 m	3813454	3813464	3913454	3913464
	10,0 m	3833507	3833569	3933507	3933569
PVC	1,5 m	3833508	3833570	3933508	3933570
Wire diameter 0,25 mm ²	3,0 m	3833509	3833571	3933509	3933571
Identification KB	5,0 m	3833510	3833572	3933510	3933572
	7,5 m	3813455	3813465	3913455	3913465
	10,0 m	3833511	3833573	3933511	3933573

Notes

Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available.
Technical data can be found on page 1.7.1

Female M8
with pre-wired cable

and

open ended wire

Female straight

Female 90°

Female 90° (LED)

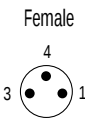


Pin arrangement

General:

- Contact 1: brown (+)
- Contact 3: blue (-)
- Contact 4: black (N/O)

3-pole
for N/O or N/C
(LED version: only PNP)



Ordering data		Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length			
PUR	1,5 m	3813048	3813064	3813072
Wire diameter 0,25 mm ² Identification JB	3,0 m	3813049	3813065	3813073
	5,0 m	3813050	3813066	3813074
	7,5 m	3813478	3813488	3813498
	10,0 m	3813051	3813067	3813075
PVC	1,5 m	3813052	3813068	3813076
Wire diameter 0,25 mm ² Identification KB	3,0 m	3813053	3813069	3813077
	5,0 m	3813054	3813070	3813078
	7,5 m	3813479	3813489	3813499
	10,0 m	3813055	3813071	3813079

Notes

Other versions, i.e with robot suitable cable, on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

Female M8 snap in
with pre-wired cable

and
open ended wire

Female straight
snap in



Female 90°
snap in



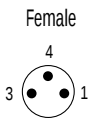
Female 90° (LED)
snap in



Pin arrangement

General:
Contact 1: brown (+)
Contact 3: blue (-)
Contact 4: black (N/O)

3-pole
for N/O or N/C
(LED version: only PNP)



Ordering data		Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length			
PUR	1,5 m	3913048	3913064	3913072
Wire diameter 0,25 mm ²	3,0 m	3913049	3913065	3913073
Identification JB	5,0 m	3913050	3913066	3913074
	7,5 m	3913478	3913488	3913498
	10,0 m	3913051	3913067	3913075
PVC	1,5 m	3913052	3913068	3913076
Wire diameter 0,25 mm ²	3,0 m	3913053	3913069	3913077
Identification KB	5,0 m	3913054	3913070	3913078
	7,5 m	3913479	3913489	3913499
	10,0 m	3913055	3913071	3913079

Notes

Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

Round plug connector M8



Female M8
with pre-wired cable

and

open ended wire

Female straight

Female 90°

Female straight
snap in

Female 90°
snap in



Pin arrangement

General:

- Contact 1: brown (+)
- Contact 2: white (N/C)/(S2)
- Contact 3: blue (-)
- Contact 4: black (N/O)/(S1)

4-pole
for N/O and N/C

Female



4-pole
for N/O and N/C

Female



Ordering data		Art.-No.	Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length				
PUR	1,5 m	3833542	3833599	3933542	3933599
Wire diameter 0,25 mm ²	3,0 m	3833543	3833399	3933543	3933399
Identification JC	5,0 m	3833544	3833398	3933544	3933398
	7,5 m	3813480	3813490	3913480	3913490
	10,0 m	3833547	3833397	3933547	3933397
PVC	1,5 m	3833548	3833396	3933548	3933396
Wire diameter 0,25 mm ²	3,0 m	3833551	3833395	3933551	3933395
Identification KC	5,0 m	3833552	3833394	3933552	3933394
	7,5 m	3813481	3813491	3913481	3913491
	10,0 m	3833553	3833393	3933553	3933393

Notes

Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

Round plug connector M8



Male M8
with pre-wired cable

and

Female M8

Male straight



Male straight



Male straight



Female straight

Female 90°

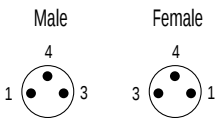
Female 90° (LED)

Pin arrangement

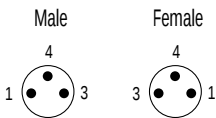
General:

Contact 1: (+)
Contact 3: (-)
Contact 4: (N/O)

3-pole
for N/O or N/C



3-pole
for N/O or N/C
2 LED for PNP



Ordering data

		Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length			
PUR	0,3 m	3813150	3813170	3813180
Wire diameter 0,25 mm ²	0,6 m	3813151	3813171	3813181
Identification JB	1,0 m	3813152	3813172	3813182
	1,5 m	3813153	3813173	3813183
	2,0 m	3813154	3813174	3813184
PVC	0,3 m	3813155	3813175	3813185
Wire diameter 0,25 mm ²	0,6 m	3813156	3813176	3813186
Identification KB	1,0 m	3813157	3813177	3813187
	1,5 m	3813158	3813178	3813188
	2,0 m	3813159	3813179	3813189

Notes

Other versions, i.e with robot suitable cable, on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

**Male M8 snap in
with pre-wired cable**

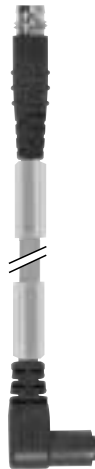
and

Female M8 snap in

Male straight
snap in



Male straight
snap in



Male straight
snap in



Female straight
snap in

Female 90°
snap in

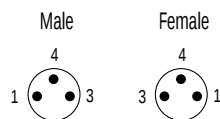
Female 90° (LED)
snap in

Pin arrangement

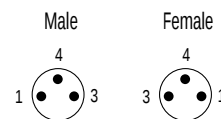
General:

Contact 1: (+)
Contact 3: (–)
Contact 4: (N/O)

3-pole
for N/O or N/C



3-pole
for N/O or N/C
2 LED for PNP



Ordering data

		Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length			
PUR	0,3 m	3913150	3913170	3913180
Wire diameter 0,25 mm ²	0,6 m	3913151	3913171	3913181
Identification JB	1,0 m	3913152	3913172	3913182
	1,5 m	3913153	3913173	3913183
	2,0 m	3913154	3913174	3913184
PVC	0,3 m	3913155	3913175	3913185
Wire diameter 0,25 mm ²	0,6 m	3913156	3913176	3913186
Identification KB	1,0 m	3913157	3913177	3913187
	1,5 m	3913158	3913178	3913188
	2,0 m	3913159	3913179	3913189

Notes

Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

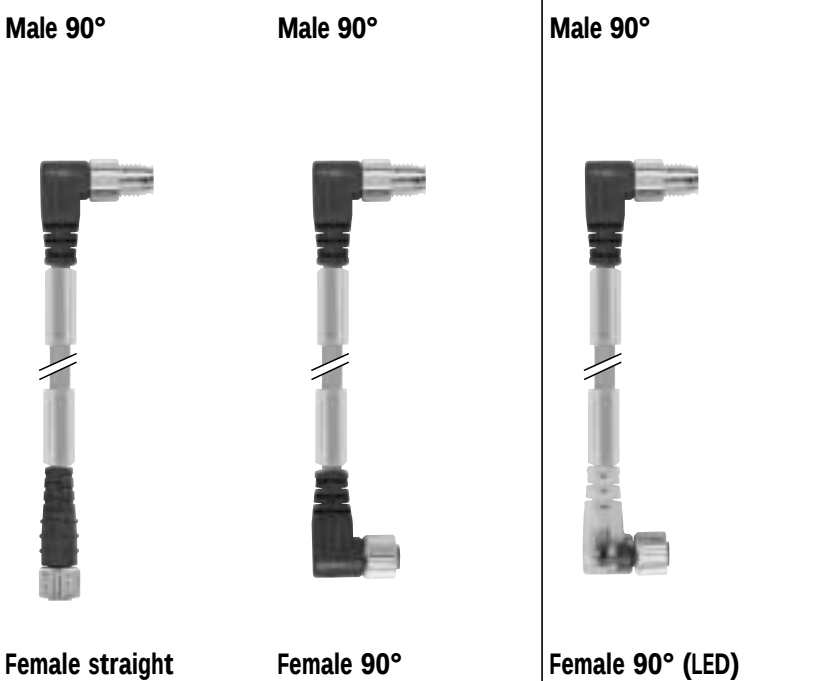
Round plug connector M8



Male M8
with pre-wired cable

and

Female M8

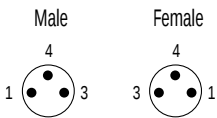


Pin arrangement

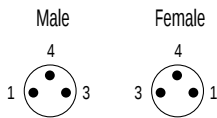
General:

Contact 1: (+)
Contact 3: (-)
Contact 4: (N/O)

3-pole
for N/O or N/C



3-pole
for N/O or N/C
2 LED for PNP



Ordering data

		Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length			
PUR	0,3 m	3813160	3813190	3813200
Wire diameter 0,25 mm²	0,6 m	3813161	3813191	3813201
Identification JB	1,0 m	3813162	3813192	3813202
	1,5 m	3813163	3813193	3813203
	2,0 m	3813164	3813194	3813204
PVC	0,3 m	3813165	3813195	3813205
Wire diameter 0,25 mm²	0,6 m	3813166	3813196	3813206
Identification KB	1,0 m	3813167	3813197	3813207
	1,5 m	3813168	3813198	3813208
	2,0 m	3813169	3813199	3813209

Notes

Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

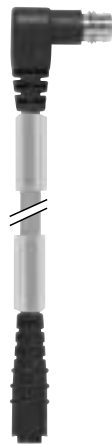
Round plug connector M8

Male M8 snap in
with pre-wired cable

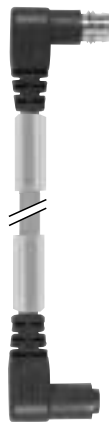
and

Female M8 snap in

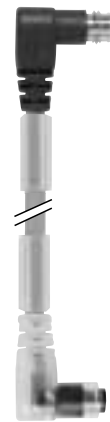
Male 90°
snap in



Male 90°
snap in



Male 90°
snap in



Female straight
snap in

Female 90°
snap in

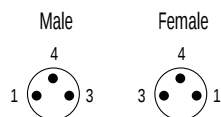
Female 90° (LED)
snap in

Pin arrangement

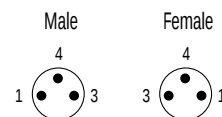
General:

Contact 1: (+)
Contact 3: (–)
Contact 4: (N/O)

3-pole
for N/O or N/C



3-pole
for N/O or N/C
2 LED for PNP



Ordering data

		Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length			
PUR	0,3 m	3913160	3913190	3913200
Wire diameter 0,25 mm ²	0,6 m	3913161	3913191	3913201
Identification JB	1,0 m	3913162	3913192	3913202
	1,5 m	3913163	3913193	3913203
	2,0 m	3913164	3913194	3913204
PVC	0,3 m	3913165	3913195	3913205
Wire diameter 0,25 mm ²	0,6 m	3913166	3913196	3913206
Identification KB	1,0 m	3913167	3913197	3913207
	1,5 m	3913168	3913198	3913208
	2,0 m	3913169	3913199	3913209

Notes

Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

Round plug connector M8



Male M8
with pre-wired cable

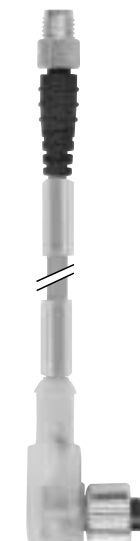
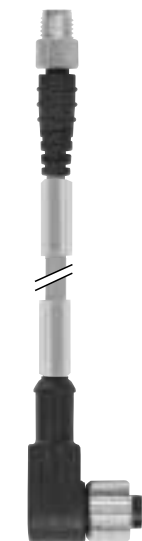
and

Female M12

Male straight

Male straight

Male straight



Female straight

Female 90°

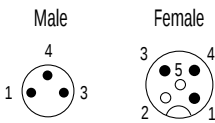
Female 90° (LED)

Pin arrangement

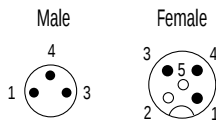
General:

Contact 1: (+)
Contact 3: (-)
Contact 4: (N/O)

3-pole
for N/O or N/C



3-pole
for N/O or N/C
2 LED for PNP



Ordering data

		Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length			
PUR	0,3 m	3833270	3833280	3813542
Wire diameter 0,25 mm ²	0,6 m	3833271	3833281	3813543
Identification JB	1,0 m	3833272	3833282	3813544
	1,5 m	3833273	3833283	3813545
	2,0 m	3833274	3833284	3813546
PVC	0,3 m	3833275	3833285	3813547
Wire diameter 0,25 mm ²	0,6 m	3833276	3833286	3813548
Identification KB	1,0 m	3833277	3833287	3813549
	1,5 m	3833278	3833288	3813550
	2,0 m	3833279	3833289	3813551

Notes

Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

Male M8 snap in
with pre-wired cable

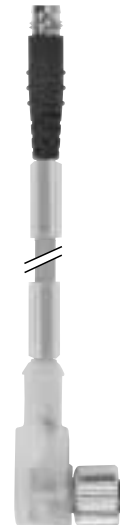
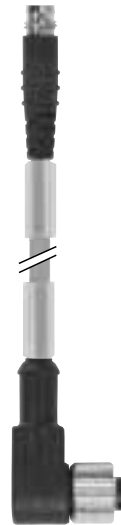
and

Female M12

Male straight
snap in

Male straight
snap in

Male straight
snap in



Female straight

Female 90°

Female 90° (LED)

Pin arrangement

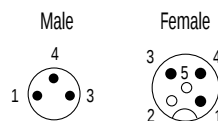
General:

Contact 1: (+)

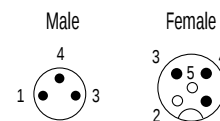
Contact 3: (-)

Contact 4: (N/O)

3-pole
for N/O or N/C



3-pole
for N/O or N/C
2 LED for PNP



Ordering data

		Art.-No.	Art.-No.	Art.-No.
Connection cable	Cable length			
PUR	0,3 m	3933270	3933280	3913542
Wire diameter 0,25 mm ²	0,6 m	3933271	3933281	3913543
Identification JB	1,0 m	3933272	3933282	3913544
	1,5 m	3933273	3933283	3913545
	2,0 m	3933274	3933284	3913546
PVC	0,3 m	3933275	3933285	3913547
Wire diameter 0,25 mm ²	0,6 m	3933276	3933286	3913548
Identification KB	1,0 m	3933277	3933287	3913549
	1,5 m	3933278	3933288	3913550
	2,0 m	3933279	3933289	3913551

Notes

Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1

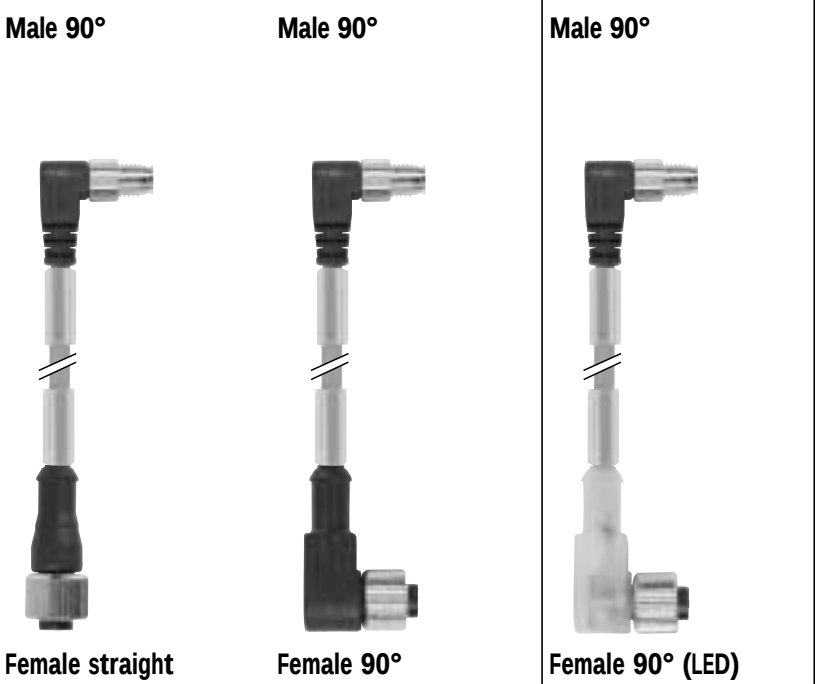
Round plug connector M8



Male M8
with pre-wired cable

and

Female M12



Pin arrangement					
General:		3-pole for N/O or N/C		3-pole for N/O or N/C 2 LED for PNP	
Contact 1: (+)		Male		Male	
Contact 3: (-)		Female		Female	
Contact 4: (N/O)					
Ordering data		Art.-No.	Art.-No.	Art.-No.	
Connection cable	Cable length				
PUR	0,3 m	3833290	3833310	3813552	
Wire diameter 0,25 mm²	0,6 m	3833291	3833311	3813553	
Identification JB	1,0 m	3833292	3833312	3813554	
	1,5 m	3833293	3833313	3813555	
	2,0 m	3833294	3833314	3813556	
PVC	0,3 m	3833295	3833315	3813557	
Wire diameter 0,25 mm²	0,6 m	3833296	3833316	3813558	
Identification KB	1,0 m	3833297	3833317	3813559	
	1,5 m	3833298	3833318	3813560	
	2,0 m	3833299	3833319	3813561	

Notes
Other versions on request. Label plate (see diagram) as accessory Art.-No. 996041 available. Technical data can be found on page 1.7.1