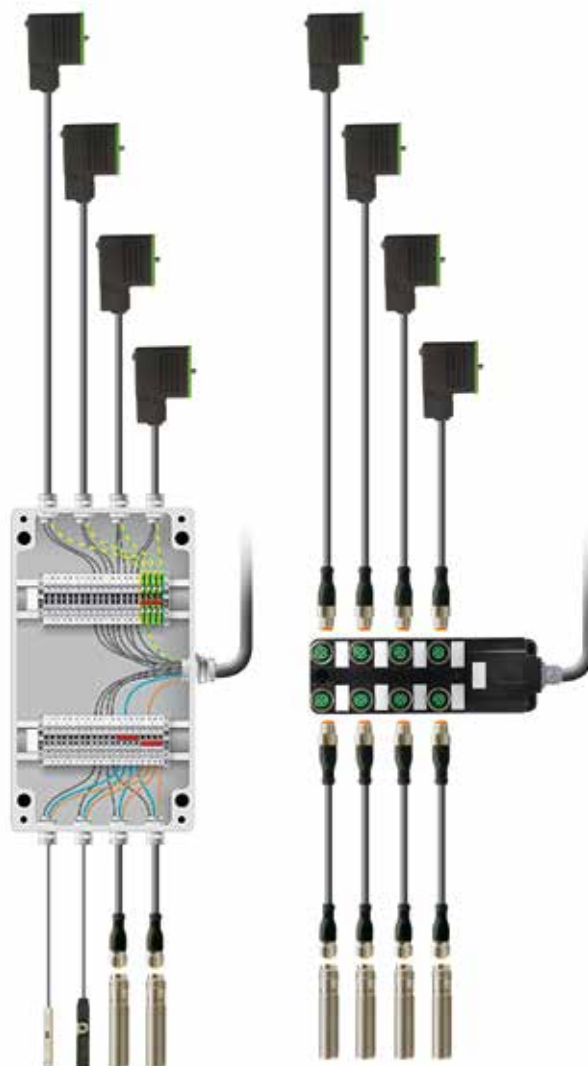


Chapter 6

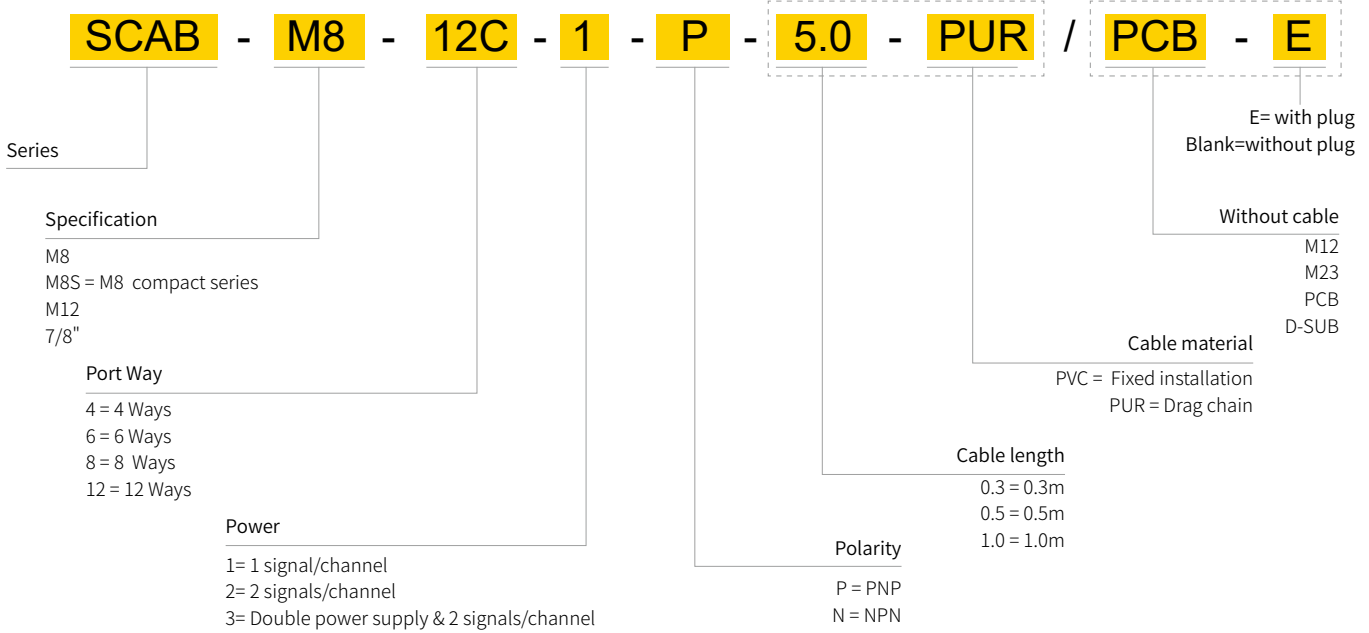
Distribution systems

- B6.1 M8 Distribution systems
- B6.2 M12 Distribution systems
- B6.3 7/8" Junction box

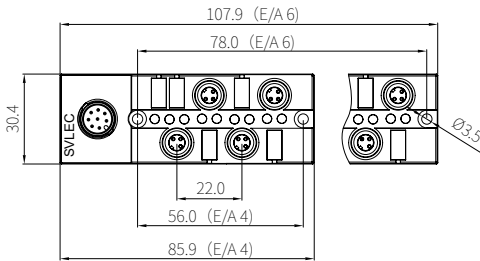
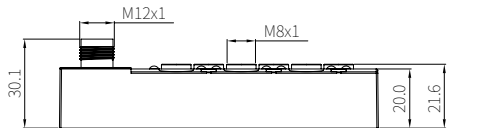


FOR SENSORS AND ACTUATORS

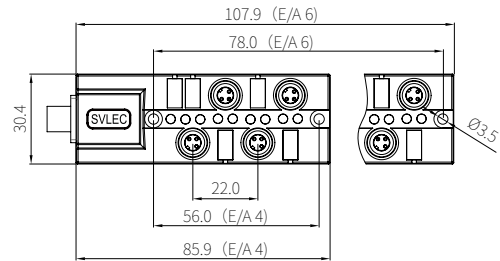
Distribution systems



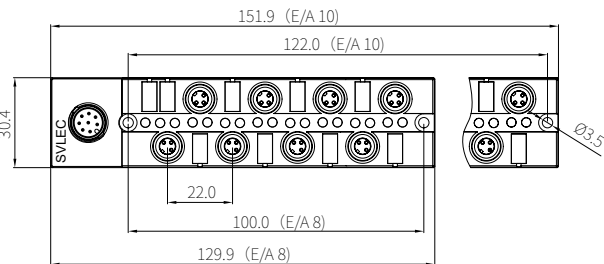
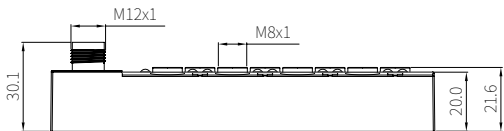
M8 Distribution systems



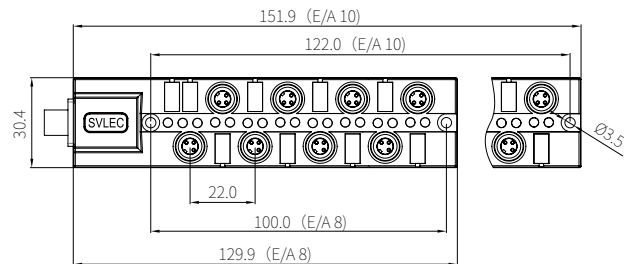
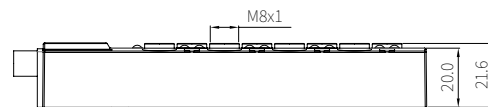
Field-wireable



Pre-cast line

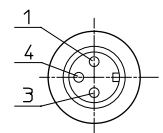
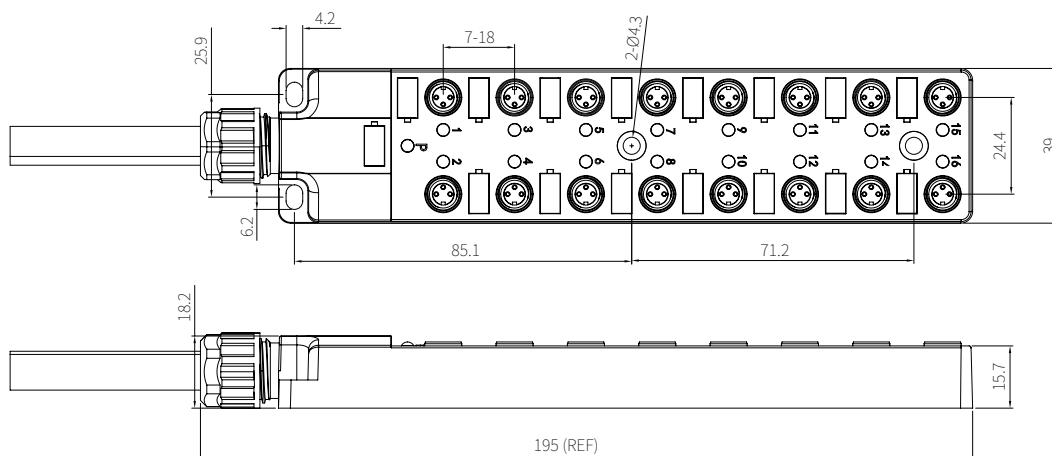
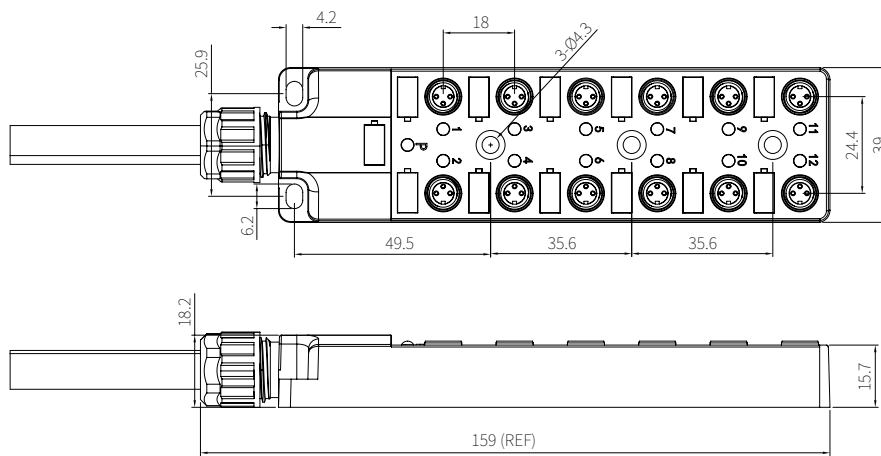
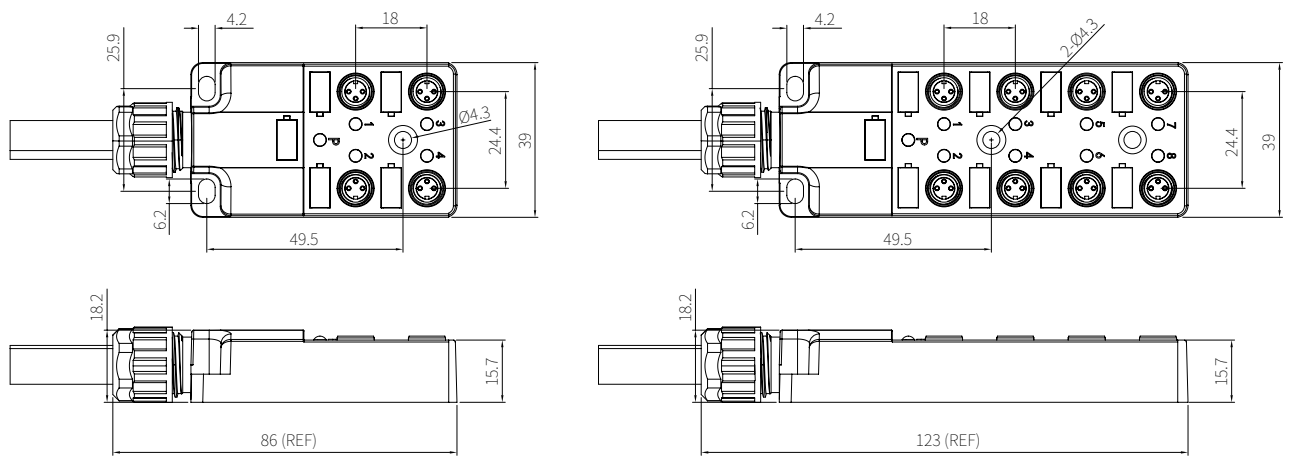


Field-wireable



Pre-cast line

M8 Distribution systems

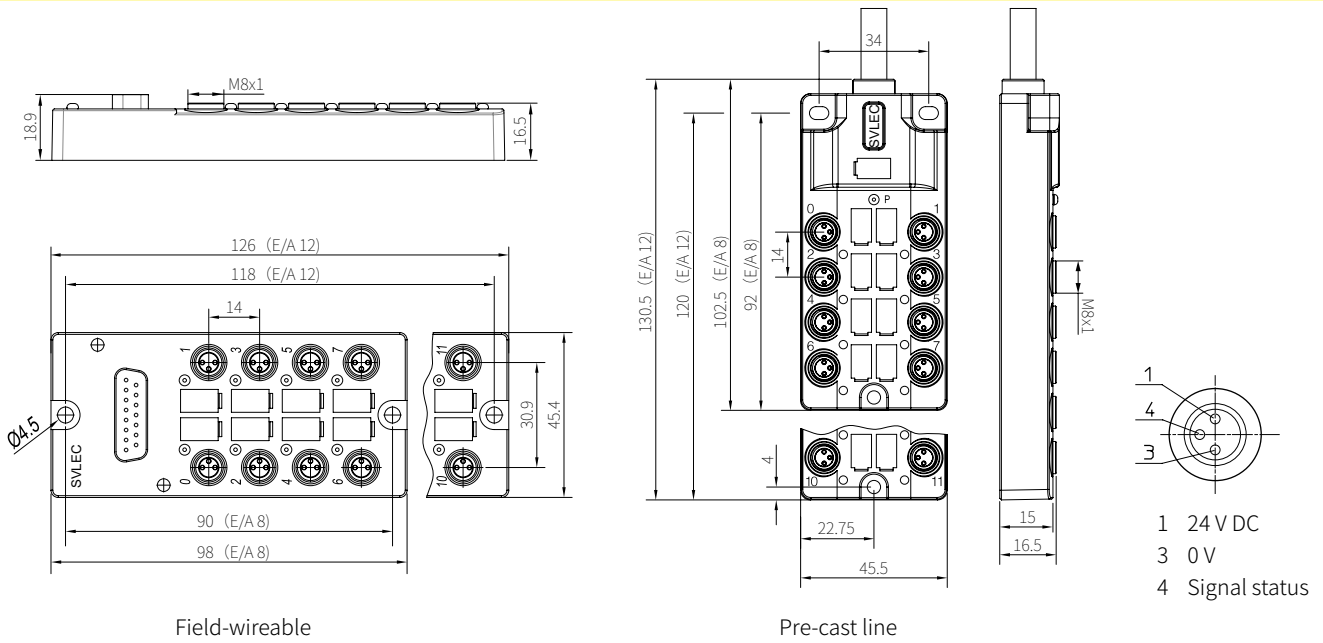


- 1 24 V DC
- 3 0 V
- 4 Signal status

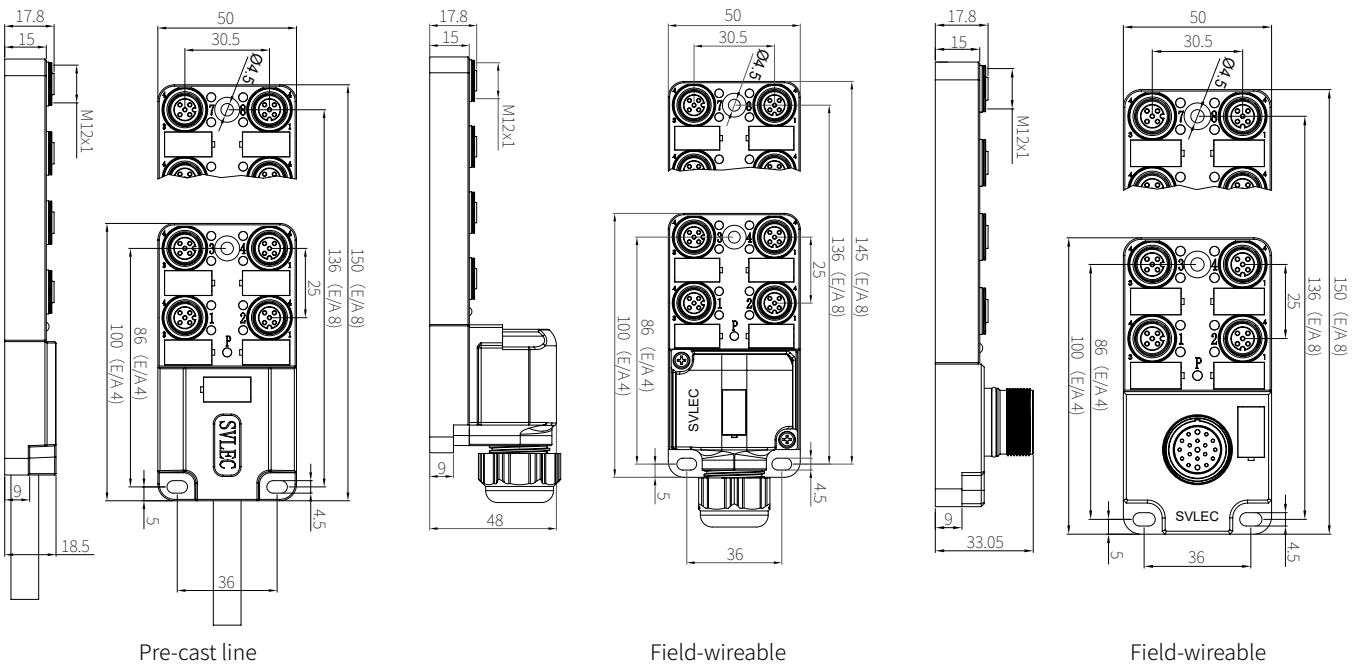
Pre-cast line

TECHNICAL DATA - DISTRIBUTION SYSTEMS

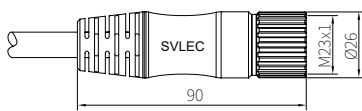
M8 Distribution systems



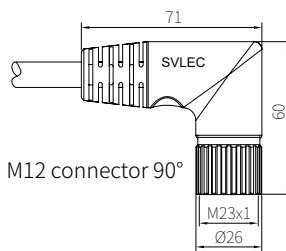
M12 Distribution systems



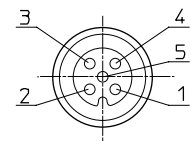
Distributor plug size shape



M12 connector Straight



M12 connector 90°



- 1 24 V DC
- 2 n.c.
- 3 0 V
- 4 Signal status
- 5 Ground wire

M8 DISTRIBUTION SYSTEMS

Halogen free cable PUR

or PUR/PVC

1 signal per port

4 Way



6 Way



1 Form

PNP	980410
NPN	980411
PNP (IP67)	980410E
NPN (IP67)	980411E

980610
980611
980610E
980611E

Circuit diagram

Contact layout

Pin 1: (+)

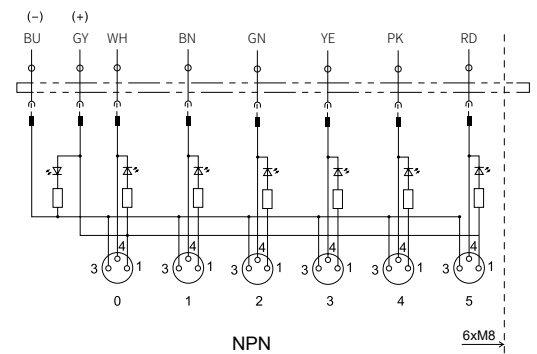
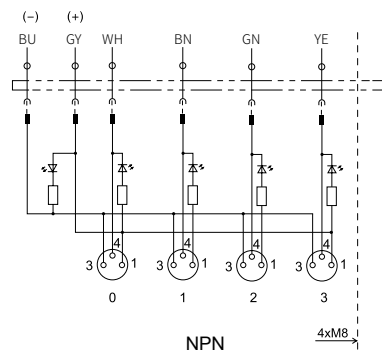
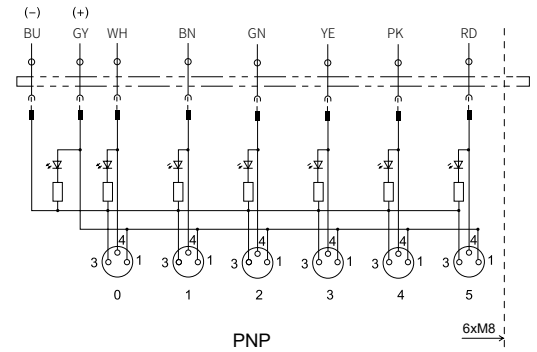
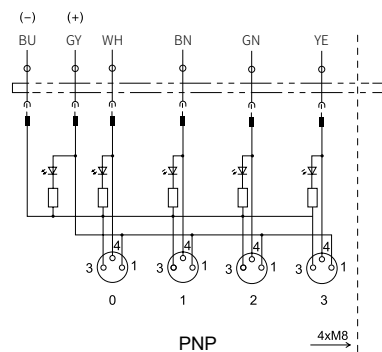
Pin 3: (-)

Pin 4: (S1)

LED: PW (GREEN)

LED indicator: green, power
yellow, signal

M8 Female
3-pole



2 Cable type

Cable part No. / Wires

	灰 GY	灰 GY
PVC	337 / 4×0.25 + 2×0.5mm ²	
PUR	334 / 4×0.25 + 2×0.5mm ²	361 / 6×0.25mm ² + 2×0.5mm ²

3 Cable length

3.0 m	0300
5.0 m	0500
10.0 m	1000
15.0 m	1500

Accessory

M8, 3 pin male

908601



908331



M8 cap

996060



Notes

M8 DISTRIBUTION SYSTEMS

Halogen free cable PUR
or PUR/PVC
1 signal per port

8 Way



10 Way



1 Form

PNP	980822	981022
NPN	980823	981023
PNP (IP67)	980822E	981022E
NPN (IP67)	980823E	981023E

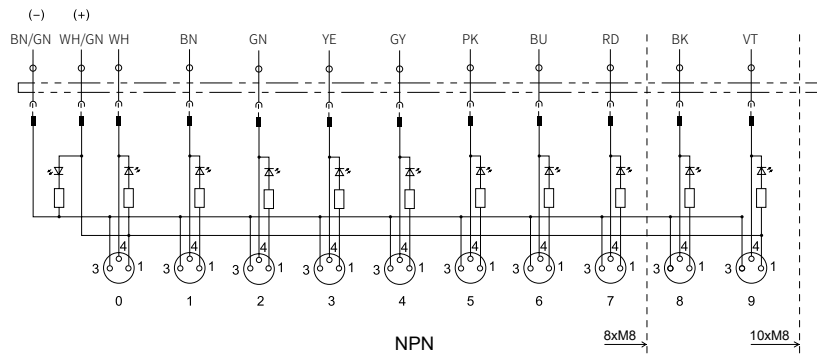
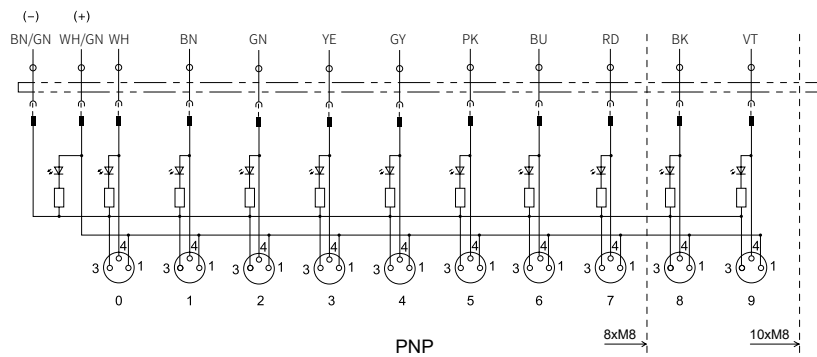
Circuit diagram

Contact layout

Pin 1: (+)
Pin 3: (-)
Pin 4: (S1)

LED indicator: green, power
yellow, signal

M8 Female
3-pole



2 Cable type

Cable part No. / Wires

	GY	GY
PVC	357 / 8×0.25 + 2×0.5mm ²	395 / 12×0.25 + 2×0.5mm ²
PUR	359 / 8×0.25 + 2×0.5mm ²	396 / 12×0.25 + 2×0.5mm ²

3 Cable length

3.0 m	0300
5.0 m	0500
10.0 m	1000
15.0 m	1500

Accessory

M8, 3 pin male
908601



908331



M8 Cap
996060



Notes

M8 DISTRIBUTION SYSTEMS

Halogen free cable PUR
 or PUR/PVC
 1 signal per port

8 Way



12 Way



1 Form

PNP	980810	981210
NPN	980811	981211

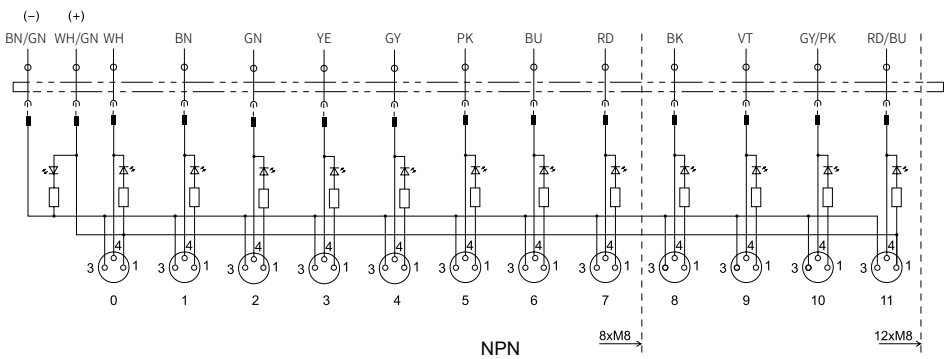
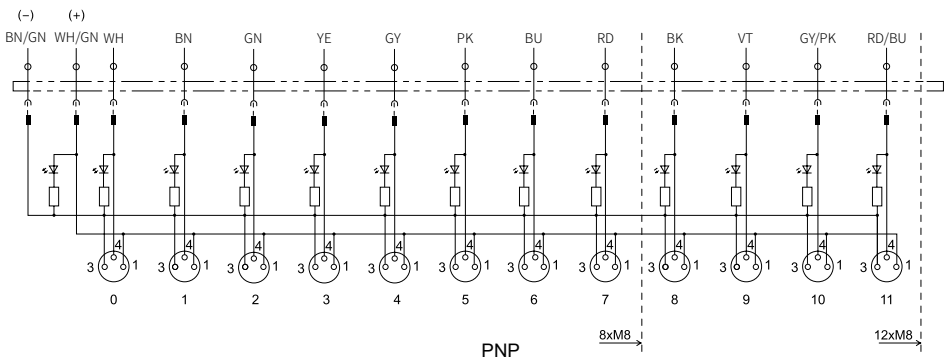
Circuit diagram

Contact layout

Pin 1: (+)
 Pin 3: (-)
 Pin 4: (S1)

LED indicator: green, power
 yellow, signal

M8 Female
 3-pole



2 Cable type

Cable part No. / Wires

	GY	GY
PVC	357 / 8×0.25 + 2×0.5mm ²	395 / 12×0.25 + 2×0.5mm ²
PUR	359 / 8×0.25 + 2×0.5mm ²	396 / 12×0.25 + 2×0.5mm ²

3 Cable length

3.0 m	0300
5.0 m	0500
10.0 m	1000
15.0 m	1500

Accessory

M8, 3 pin male

908601



908331



M8 Cap

996060



Notes

M8 DISTRIBUTION SYSTEMS

Halogen free cable PUR
or PUR/PVC
2 signals per port

8 Way



12 Way



1 Form

PNP	980820
NPN	980821

981220
981221

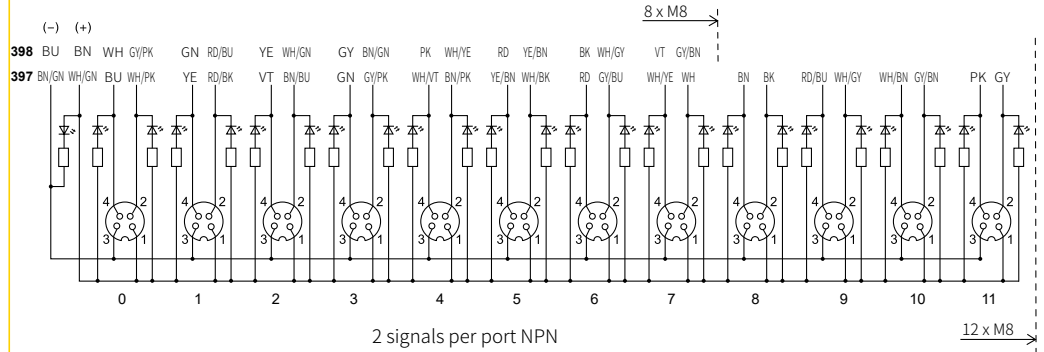
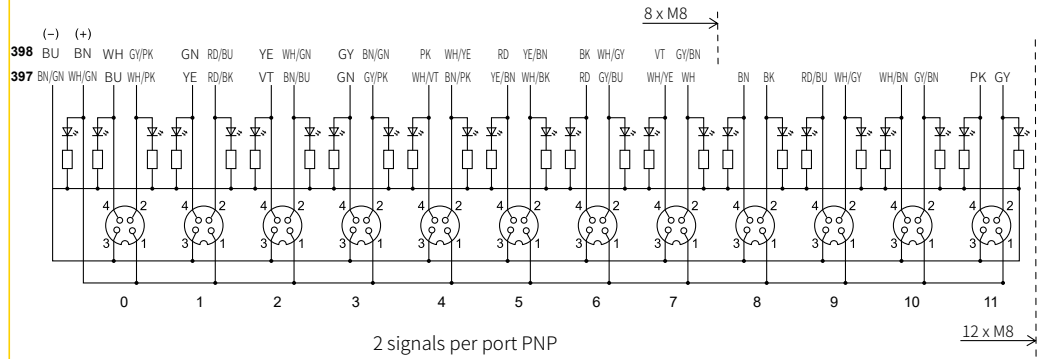
Circuit diagram

Contact layout

- Pin 1: (+)
- Pin 2: (S2)
- Pin 3: (-)
- Pin 4: (S1)

LED indicator: green, power
blue, signal
red, signal

M8 Female
4-pole



2 Cable type

Cable part No. / Wires

PUR	GY	GY
PVC	398 / 16×0.34 + 3×0.75mm ²	
PUR		397 / 24×0.25 + 2×0.5mm ²

3 Cable length

3.0 m	0300
5.0 m	0500
10.0 m	1000
15.0 m	1500

Accessory

M8, 4 pin male

908611



940831



M8 Cap

996060



Notes

M8 DISTRIBUTION SYSTEMS

Pre-cast connector

1 signal per port

4 Way



6 Way



1 Form

PNP	980400	980600
NPN	980401	980601
PNP (IP67)	980400E	980600E
NPN (IP67)	980401E	980601E



Form

PNP	981400	981600
NPN	981401	981601
PNP (IP67)	981400E	981600E
NPN (IP67)	981401E	981601E
Cable OD	6.0...8.0mm	

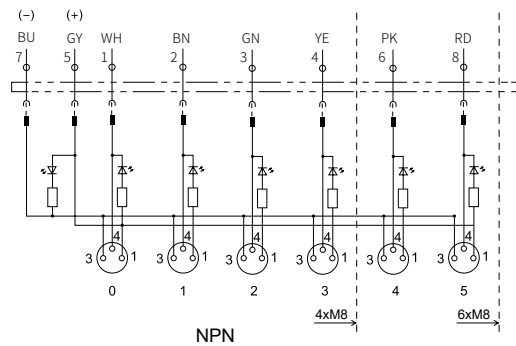
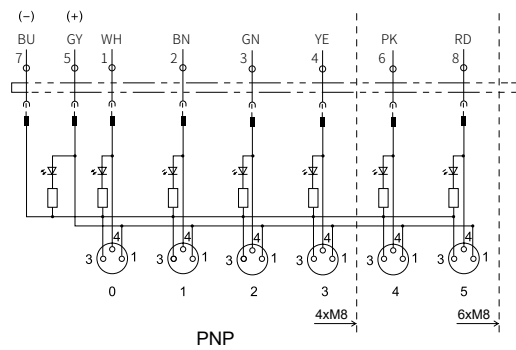
Circuit diagram

Contact layout

Pin 1: (+)
 Pin 3: (-)
 Pin 4: (S1)

LED indicator: green, power
 yellow, signal

M8 Female
 3-pole



Accessory

M12, 8 pin female
 917321



M8, 3 pin male
 908601



908331



M8 Cap
 996060



Notes

M8 DISTRIBUTION SYSTEMS

Pre-cast connector

1 signal per port

8 Way



10 Way



1 Form

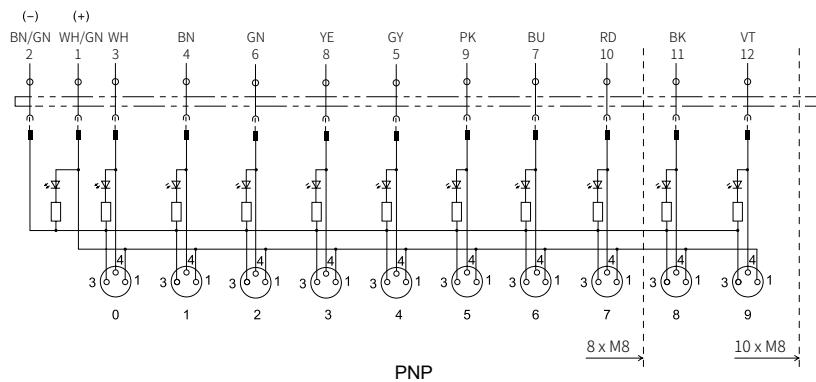
PNP	980805	981002
NPN	980803	981003
PNP (IP67)	980805E	981002E
NPN (IP67)	980803E	981003E

Circuit diagram

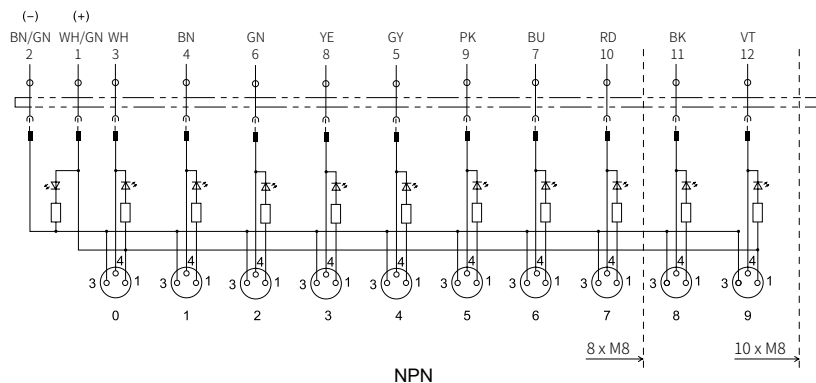
Contact layout

Pin 1: (+)
Pin 3: (-)
Pin 4: (S1)

LED indicator: green, power
yellow, signal



PNP



NPN

M8 Female
3-pole



2 Technical data

Supply voltage	24 V DC (18...30.2V DC)
Combined current	2 A
Protection	IP67
Temperature range	-20°C ...+70°C

Accessory

M8, 3 pin male

908601



908331



M8 Cap

996060



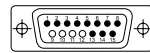
Notes

M8 DISTRIBUTION SYSTEMS

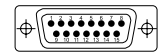
Pre-cast connector

1 signal per port

8 Way



12 Way



1 Form

PNP	980800
NPN	980801

981200
981201



Form

PNP	981800
NPN	981801
Cable OD	6.0...12.0mm

982200
982201

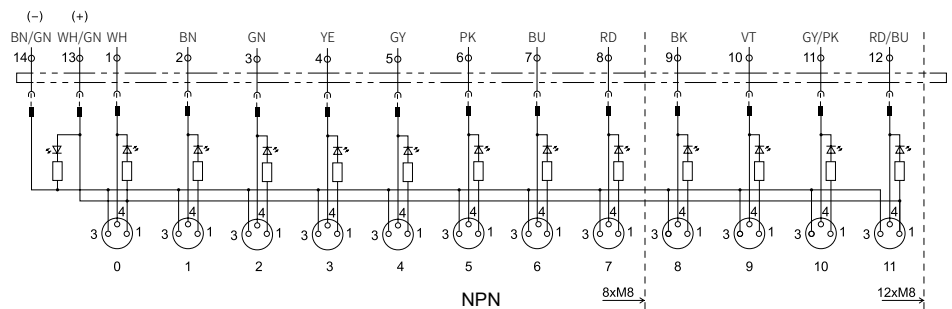
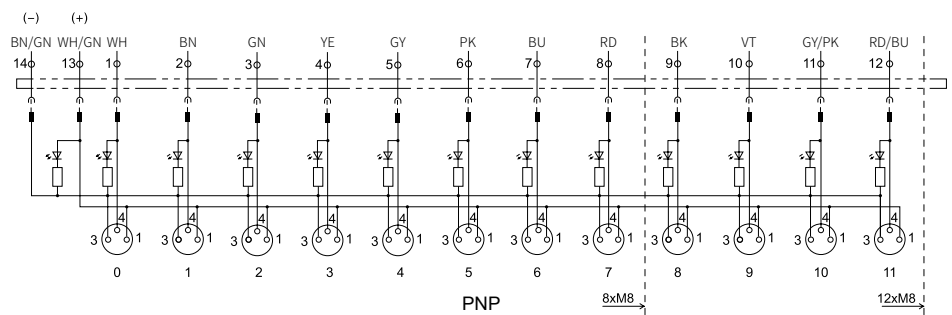
Circuit diagram

Contact layout

Pin 1: (+)
Pin 3: (-)
Pin 4: (S1)

LED indicator: green, power
yellow, signal

M8 Female
3-pole



Accessory

DB15 8 ways plug

988100



DB15 15 ways plug

988200



M8, 3 pin male

908601



908331



M8 Cap

996060



Notes

M8 DISTRIBUTION SYSTEMS

Plug wire harness

4 Way
6 Way



8 Way
10 Way



8 Way



12 Way



1	Form	No.	917041	917061	919041	919061T	988100	988200
	Suppression		8-pole	8-pole	12-pole	12-pole	10-pole	15-pole
	Circuit diagram							
	Description							
2	Cable type	Cable part No. / Wires						
	PVC	GY	GY		GY		GY	
	PUR	/	395 / 12×0.25+2×0.5mm ²		357 / 8×0.25+2×0.5mm ²		395 / 12×0.25+2×0.5mm ²	
3	Cable length							
	3.0 m	0300						
	5.0 m	0500						
	10.0 m	1000						
	15.0 m	1500						
Without cable	No.							
M12/DB plug-in connector plugs	917321	917331				988100	988200	
Plug for cable diameter	6-8 mm					6-12 mm		
Part No.								
	E.g: <u> 917041 </u> — <u> 292 </u> — <u> 0500 </u>							
	1 Form		2 Cable type			3 Cable length		
Notes								

M8 DISTRIBUTION SYSTEMS

Halogen free cable PUR
or PUR/PVC
1 signal per port

4 Way



8 Way



1 Form

PNP (IP67)	980430	980830
NPN (IP67)	980431	980831
Without LED (IP67)	980432	980832

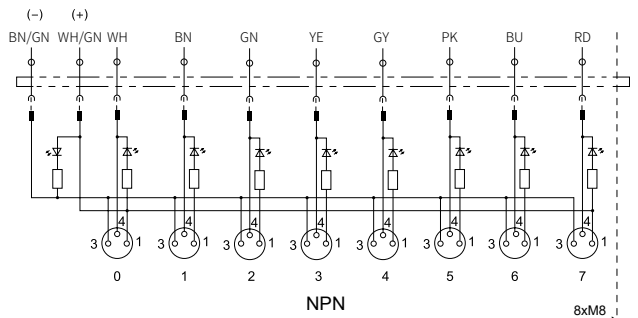
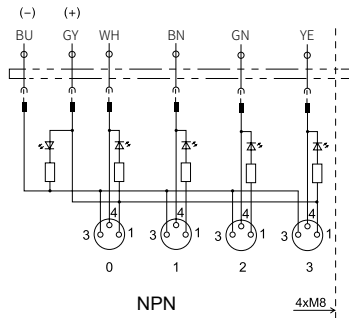
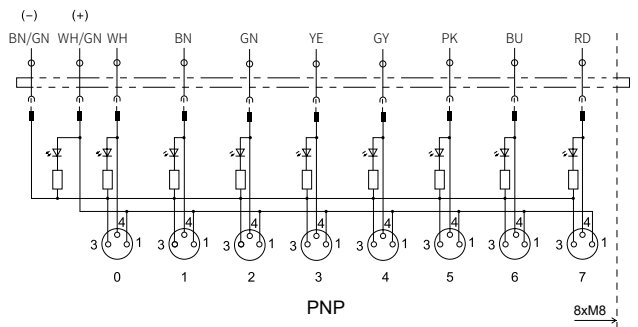
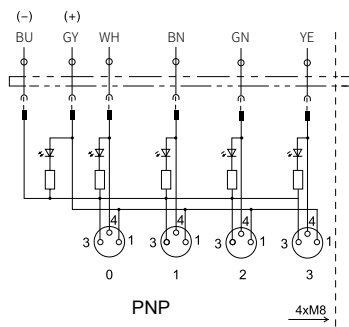
Circuit diagram

Contact layout

Pin 1: (+)
Pin 3: (-)
Pin 4: (S1)

LED indicator: green, power
yellow, signal

M8 Female
3-pole



2 Cable type

Cable part No. / Wires

	GY	GY
PVC	337 / 4×0.25 + 2×0.5mm ²	357 / 8×0.25 + 2×0.5mm ²
PUR	334 / 4×0.25 + 2×0.5mm ²	359 / 8×0.25 + 2×0.5mm ²

3 Technical data

Supply voltage	24 V DC (18...30.2V DC)
Combined current	2 A
Protection	IP67
Temperature range	-20°C ...+70°C

4 Cable length

3.0 m	0300
5.0 m	0500
10.0 m	1000
15.0 m	1500

Accessory

M8, 3 pin male
908601



908331



M8 Cap
996060



Notes

M8 DISTRIBUTION SYSTEMS

Halogen free cable PUR
or PUR/PVC
1 signal per port

12 Way



16 Way



1 Form

PNP (IP67)	981230	981630
NPN (IP67)	981231	981631
Without LED (IP67)	981232	981632

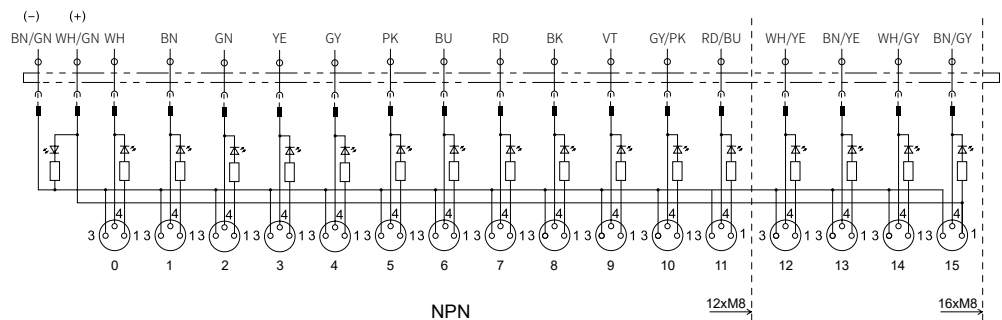
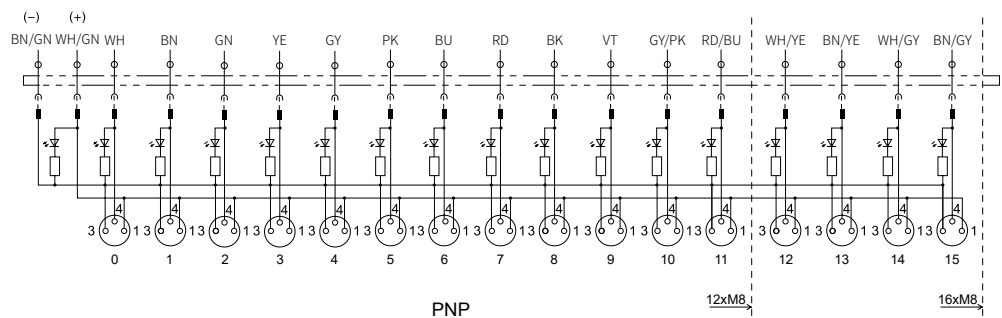
Circuit diagram

Contact layout

Pin 1: (+)
Pin 3: (-)
Pin 4: (S1)

LED indicator: green, power
yellow, signal

M8 Female
3-pole



2 Cable type

Cable part No. / Wires

	GY	GY
PVC	395 / 12×0.25 + 2×0.5mm ²	356 / 16×0.25 + 2×0.5mm ²
PUR	396 / 12×0.25 + 2×0.5mm ²	355 / 16×0.25 + 2×0.5mm ²

3 Technical data

Supply voltage	24 V DC (18...30.2V DC)
Combined current	2 A
Protection	IP67
Temperature range	-20°C ... +70°C

4 Cable length

3.0 m	0300
5.0 m	0500
10.0 m	1000
15.0 m	1500

Accessory

M8, 3 pin male
908601



908331



M8 Cap
996060



Notes

M12 DISTRIBUTION SYSTEMS

-24V PNP
 -24V NPN
 -without LED 125 V AC/DC
 -1 signal per port

4 Way



8 Way



1 Form

PNP	982410	982810
NPN	982411	982811
Without LED	982412	982812
PNP (IP67)	982410E	982810E
NPN (IP67)	982411E	982811E

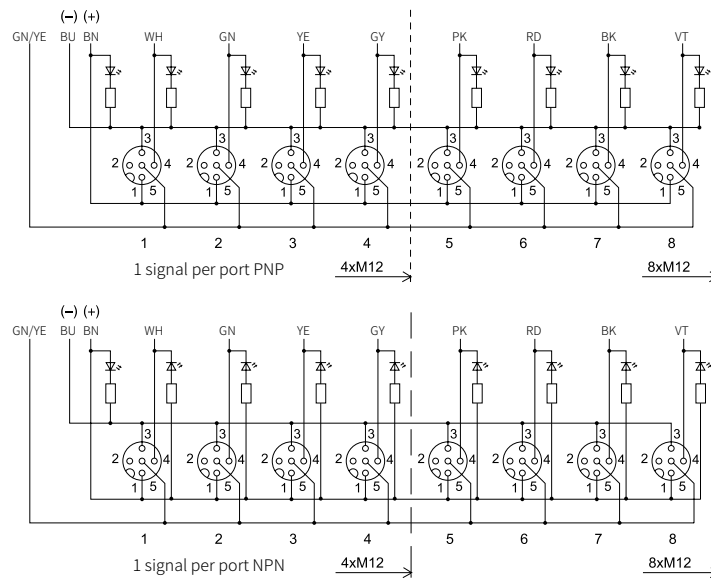
Circuit diagram

Contact layout

Pin 1: (+)
 Pin 3: (-)
 Pin 4: (S1)
 Pin 4: (PE)

LED indicator: green, power
 yellow, signal

Female



2 Cable type

Cable part No. / Wires

	GY	GY
PVC	333 / 4×0.34+3×0.75mm ²	362 / 8×0.34+3×0.75mm ²
PUR		448 / 8×0.34+3×0.75mm ²

3 Cable length

3.0 m	0300
5.0 m	0500
10.0 m	1000
15.0 m	1500

Technical data

Supply voltage	24 V DC
Combined current	4 A
Protection	IP67
Temperature range	-20°C ...+70°C

Accessory

M12, 4 pin male

912701
 912741



M12 Cap

996050



Notes

M12 DISTRIBUTION SYSTEMS

- 24V PNP
- 24V NPN
- LED 125 V AC / DC
- 2 signals per port

4 Way



1 Form

PNP	982420
NPN	982421
Without LED	982422
PNP (IP67)	982420E
NPN (IP67)	982421E

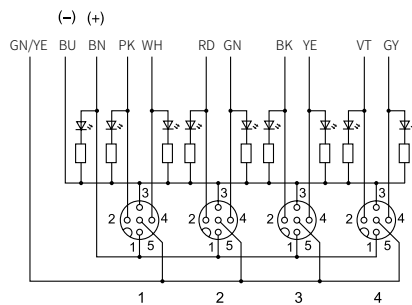
Circuit diagram

Contact layout

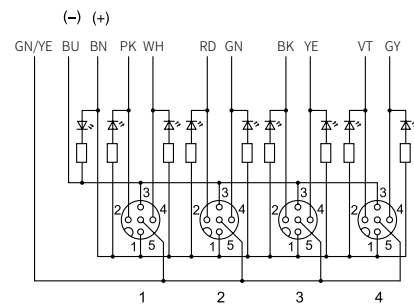
- Pin 1: (+)
- Pin 2: (S2)
- Pin 3: (-)
- Pin 4: (S1)
- Pin 5: (PE)

LED indicator: green, power
yellow, signal
white, signal

Female



2 signals per port PNP



2 signals per port NPN

2 Cable type

Cable part No. / Wires

	GY
PVC	362 / 8×0.34+3×0.75mm ²
PUR	448 / 8×0.34+3×0.75mm ²

3 Cable length

3.0 m	0300
5.0 m	0500
10.0m	1000
15.0m	1500

Technical data

Supply voltage	24 V DC
Combined current	4 A
Protection	IP67
Temperature range	-20°C ...+70°C

Accessory

M12, 5 pin male

912721
912761



912700



M12 Y Type connector

941121
941141
941181



941201
941221



M12 Cap

996050



Notes

M12 DISTRIBUTION SYSTEMS

- 24V PNP
- 24V NPN
- LED 125 V AC / DC
- 2 signals per port

8 Way



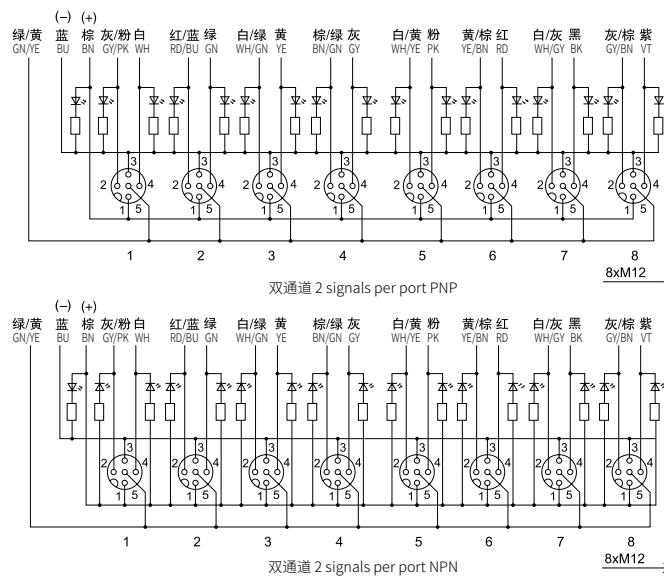
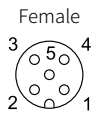
1 Form	
PNP	982820
NPN	982821
Without LED	982822
PNP (IP67)	982820E
NPN (IP67)	982821E

Circuit diagram

Contact layout

- Pin 1: (+)
- Pin 2: (S2)
- Pin 3: (-)
- Pin 4: (S1)
- Pin 5: (PE)

LED indicator: green, power
 yellow, signal
 white, signal



2 Cable type	Cable part No. / Wires
	GY
PVC	398 / 16×0.34+3×0.75mm ²
PUR	452 / 16×0.34+3×0.75mm ²

3 Cable length	
3.0 m	0300
5.0 m	0500
10.0m	1000
15.0m	1500

Technical data

Supply voltage	24 V DC
Combined current	4 A
Protection	IP67
Temperature range	-20°C ...+70°C

Accessory

M12, 5 pin male

912721
912761



912700



M12 Y Type connector

941121
941141
941181



941201
941221



M12 Cap

996050



Notes

M12 DISTRIBUTION SYSTEMS

M23 19 POLE
 With plug connector
 -24V PNP
 -24V NPN
 - LED 125 V AC / DC
 - 1 signal per port

4 Way



8 Way



1 Form

PNP	982400	982800
NPN	982401	982801
Without LED	982402	982802
PNP (IP67)	982400E	982800E
NPN (IP67)	982401E	982801E

Circuit diagram

Contact layout

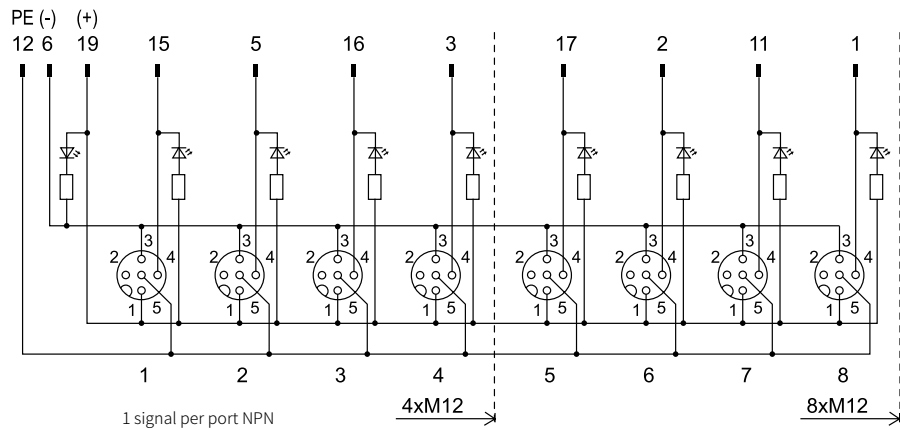
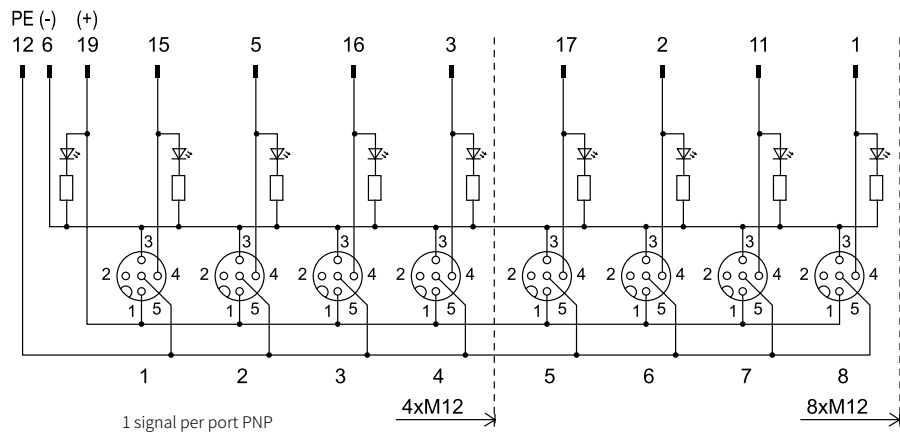
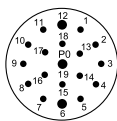
Pin 1: (+)
 Pin 3: (-)
 Pin 4: (S1)
 Pin 5: (PE)

LED indicator: green, power
 yellow, signal

M12 Female
 4-pole



M23 Male
 19-pole



2 Technical data

Supply voltage	24 V DC
Combined current	4 A
Protection	IP67
Temperature range	-20°C ... +70°C

Accessory

M12, 4 pin male

912701
 912741



M12 Cap

996050



Notes

M12 DISTRIBUTION SYSTEMS

M23 19 POLE
With plug connector
-24V PNP
-24V NPN
-LED 125 V AC / DC
-2 signals per port

4 Way



8 Way



1 Form

PNP	982440	982480
NPN	982441	982481
Without LED	982442	982482
PNP (IP67)	982440E	982480E
NPN (IP67)	982441E	982481E

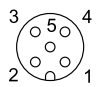
Circuit diagram

Contact layout

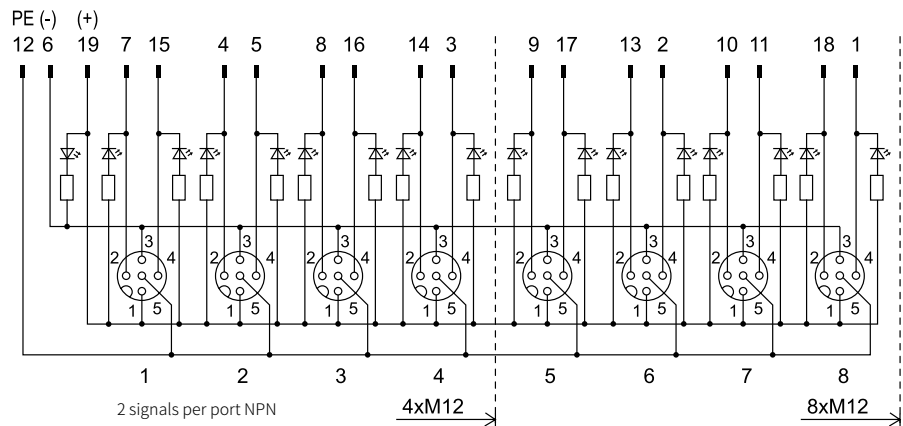
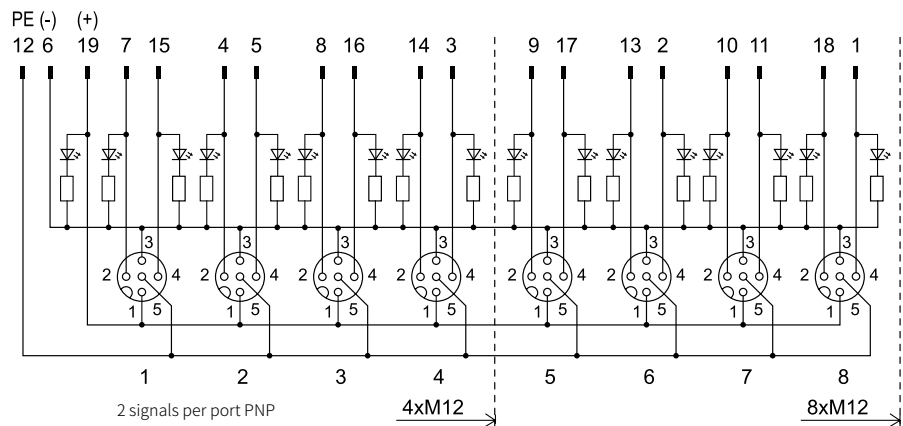
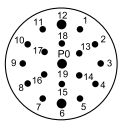
Pin 1: (+)
Pin 2: (S2)
Pin 3: (-)
Pin 4: (S1)
Pin 5: (PE)

LED indicator: green, power
yellow, signal
white, signal

M12 Female
5-pole



M23 Male
19-pole



2 Technical data

Supply voltage	24 V DC
Combined current	4 A
Protection	IP67
Temperature range	-20°C ...+70°C

Accessory

M12, 5 pin male

912721
912761



912700



M12 Y Type connector

941121
941141
941181



941201
941221



M12 Cap

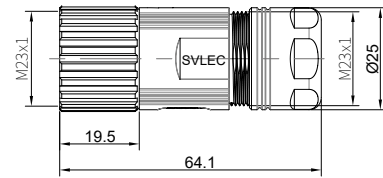
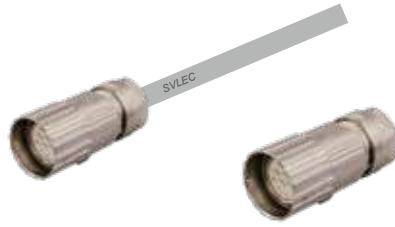
996050



Notes

M12 DISTRIBUTION SYSTEMS

M23 connector



Cabel length (4-way)	No.(for 1 signal per port)	No.(for 2 signal per port)	No.(for 2 signal per port)
Cable type	PUR/PVC	PUR/PVC	PUR(UL/CSA) halogen free
3.0 m	984120-333-0300	984220-362-0300	984220-448-0300
5.0 m	984120-333-0500	984220-362-0500	984220-448-0500
10.0m	984120-333-1000	984220-362-1000	984220-448-1000
15.0m	984120-333-1500	984220-362-1500	984220-448-1500
Wire diameter	4×0.34/3×0.75mm ²	8×0.34/3×0.75mm ²	8×0.5/3×1.0mm ²
Cable NO.	333	362	448
Cabel length (8-way)	No.(for 1 signal per port)	No.(for 2 signal per port)	No.(for 2 signal per port)
Cable type	PUR/PVC	PUR/PVC	PUR(UL/CSA) halogen free
3.0 m	988120-362-0300	988220-398-0300	988220-452-0300
5.0 m	988120-362-0500	988220-398-0500	988220-452-0500
10.0m	988120-362-1000	988220-398-1000	988220-452-1000
15.0m	988120-362-1500	988220-398-1500	988220-452-1500
Wire diameter	8×0.34/ 3×0.75mm ²	16×0.34/ 3×0.75mm ²	16×0.5/3×1.0mm ²
Cable NO.	362	398	452
Circuit diagram M23 Female 19-pole	4-way for 1 signal per port	4-way for 2 signal per port	8-way for 1 signal per port
			8-way for 2 signal per port
Without cable	No. (4 ways 1signal per port)	No. (4 ways 2signals per port)	
M23 / DB plug-in connection ports	984120	984220	
Without cable	No. (8 ways 1signal per port)	No. (8 ways 2signals per port)	
M23 / DB plug-in connection ports	988120	988220	
Plug for cable diameter	7-14mm		
Part No.	E.g: <u> 984120 </u> - <u> 333 </u> - <u> 0500 </u>		
	1 Form	2 Cable type	3 Cable length
Notes	Technical data in chapter: 5.0.2 Accessories on page: 5.3.2 Cable length is customized , Cable length unit: cm		

M23 ROUND PLUG CONNECTOR

M23 pre-cast connector
 19-pole
 1 signal per port

Female
 Straight

4 Way

Female
 Straight

8 Way



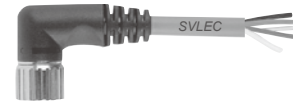
1	Form	No.	923651	923051
----------	------	-----	---------------	---------------

Female
 90°

4 Way

Female
 90°

8 Way



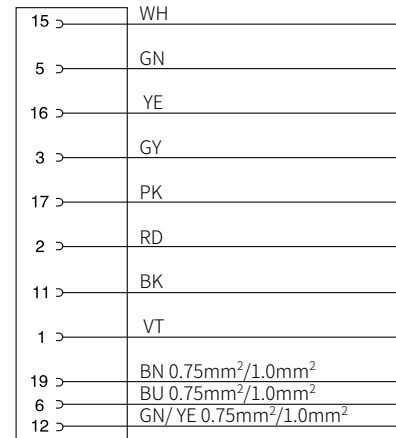
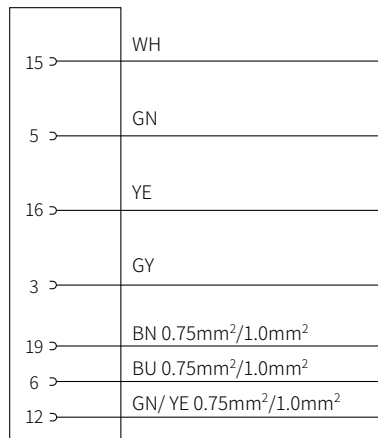
	Form	No.	923751	923151
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Suppression

7-pole

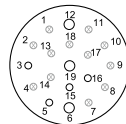
11-pole

Circuit diagram

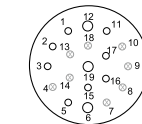


Contact layout

M23 Female
 7-pole



M23 Female
 11-pole



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

Wire	GY	GY
PVC	333 / 4×0.34+3×0.75mm ²	362 / 8×0.34+3×0.75mm ²
PUR		448 / 8×0.34+3×0.75mm ²

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

5.0 m	0500
10.0 m	1000
15.0 m	1500

Part No.	
----------	--

E.g: 923651 - 333 - 0500

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

Notes

Technical data in chapter: 5.0.2 Accessories on page: 5.3.2
 Cabal length is customized , cable length unit: cm

M23 ROUND PLUG CONNECTOR

M23 pre-cast connector
19-pole
2 signals per port

Female
Straight

4 Way

Female
Straight

8 Way



1	Form	No.	923451	923251
----------	------	-----	---------------	---------------

Female
90°

4 Way

Female
90°

8 Way



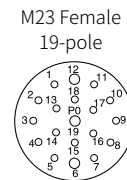
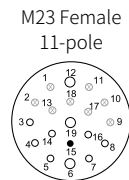
	Form	No.	923951	923351
--	------	-----	---------------	---------------

Suppression	11-pole	19-pole
-------------	---------	---------

Circuit diagram



Contact layout



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

Wire	GY	GY
PVC	362 / 8×0.34+3×0.75mm ²	398 / 16×0.34+3×0.75mm ²
PUR	448 / 8×0.34+3×0.75mm ²	452 / 16×0.34+3×0.75mm ²

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

5.0 m	0500
10.0 m	1000
15.0 m	1500

Part No.

E.g: **923451** — **362** — **0500**

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

Notes

Technical data in chapter: 5.0.2 Accessories on page: 5.3.2
Cabel length is customized , cable length unit: cm

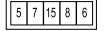
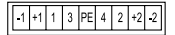
M12 DISTRIBUTION SYSTEMS

PCB terminals
 -24V PNP
 -24V NPN
 -LED 125 V AC / DC
 -1 signal per port

4 Way



8 Way



1 Form

PNP	984400	988400
NPN	984401	988401
Without LED	984402	988402
PNP (IP67)	984400E	988400E
NPN (IP67)	984401E	988401E



1 Form

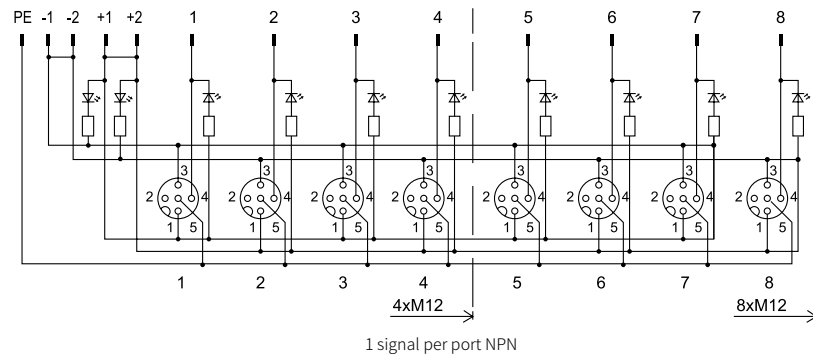
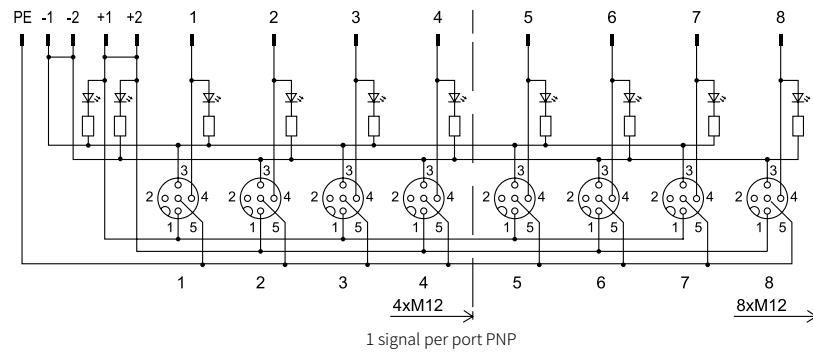
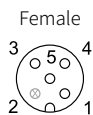
PNP	984450	988450
NPN	984451	988451
Without LED	984452	988452
PNP (IP67)	984450E	988450E
NPN (IP67)	984451E	988451E

Circuit diagram

Contact layout

Pin 1: (+)
 Pin 3: (-)
 Pin 4: (N/O)/(S1)
 Pin 5: (PE)

LED indicator: green, power
 yellow, signal



Accessory

M12, 4 pin male

912701
 912741



M12 Cap

996050



Notes

M12 DISTRIBUTION SYSTEMS

PCB terminals

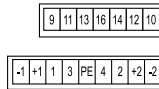
-24V PNP

-24V NPN

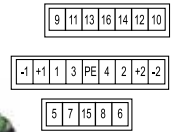
-LED 125 V AC / DC

-2 signals per port

4 Way



8 Way



1 Form

PNP	984500	988500
NPN	984501	988501
Without LED	984502	988502
PNP (IP67)	984500E	988500E
NPN (IP67)	984501E	988501E



1 Form

PNP	984550	988550
NPN	984551	988551
Without LED	984552	988552
PNP (IP67)	984550E	988550E
NPN (IP67)	984551E	988551E

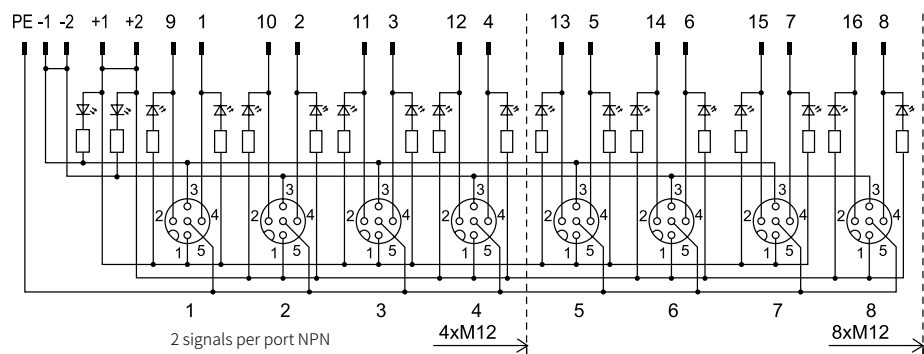
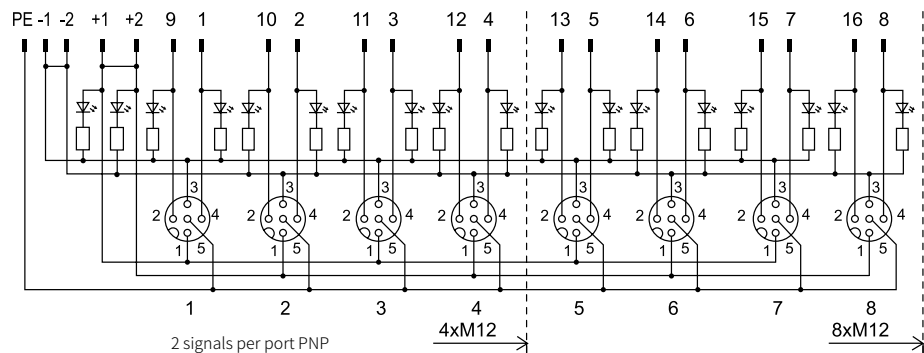
Circuit diagram

Contact layout

Pin 1: (+)
Pin 2: (N/C)/(S2)
Pin 3: (-)
Pin 4: (N/O)/(S1)
Pin 5: (PE)

LED indicator: green, power
yellow, signal
white, signal

Female



Accessory

M12, 5 pin male

912721
912761



912700



M12 Y Type connector

941121
941141
941181



941201
941221



M12 Cap

996050



Notes

M12DISTRIBUTION SYSTEMS

Field-wireable connection cap Pre-wired with

Screw plug-in terminals



4 Way	No. (for 1 signal per port)	No. (for 2 signal per port)	No. (for 2 signal per port)
Cable type	PUR/PVC	PUR/PVC	PUR(UL/CSA) halogen free
3.0 m	984459-333-0300	984559-362-0300	984559-448-0300
5.0 m	984459-333-0500	984559-362-0500	984559-448-0500
10.0m	984459-333-1000	984559-362-1000	984559-448-1000
15.0m	984459-333-1500	984559-362-1500	984559-448-1500
Wire diameter	4×0.34+3×0.75mm ²	8×0.34+3×0.75mm ²	8×0.5+3×1.0mm ²
Cable NO.	333	362	448
8 Way	No. (for 1 signal per port)	No. (for 2 signal per port)	No. (for 2 signal per port)
Cable type	PUR/PVC	PUR/PVC	PUR(UL/CSA) halogen free
3.0 m	988459-362-0300	988559-398-0300	988559-452-0300
5.0 m	988459-362-0500	988559-398-0500	988559-452-0500
10.0m	988459-362-1000	988559-398-1000	988559-452-1000
15.0m	988459-362-1500	988559-398-1500	988559-452-1500
Wire diameter	8×0.34+3×0.75mm ²	16×0.34+3×0.75mm ²	16×0.5+3×1.0mm ²
Cable NO.	362	398	452

Without cable



4 Way	No. (for 1 signal per port)	No. (for 2 signal per port)
With screw plug-in terminals	984459	984559
Plug for cable diameter	8.5···14.0mm	
8 Way	No. (for 1 signal per port)	No. (for 2 signal per port)
With screw plug-in terminals	988459	988559
Plug for cable diameter	8.5···14.0mm	

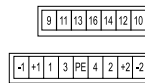
Notes

Technical data in chapter: 5.0.2 Accessories on page: 5.3.2
 Cabal length is customized , cable length unit: cm

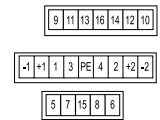
M12 DISTRIBUTION SYSTEMS

Dual power supply
Field wiring
Screw plug-in or
Spring clamp plug-in terminals

4 Way



8 Way



1 Form

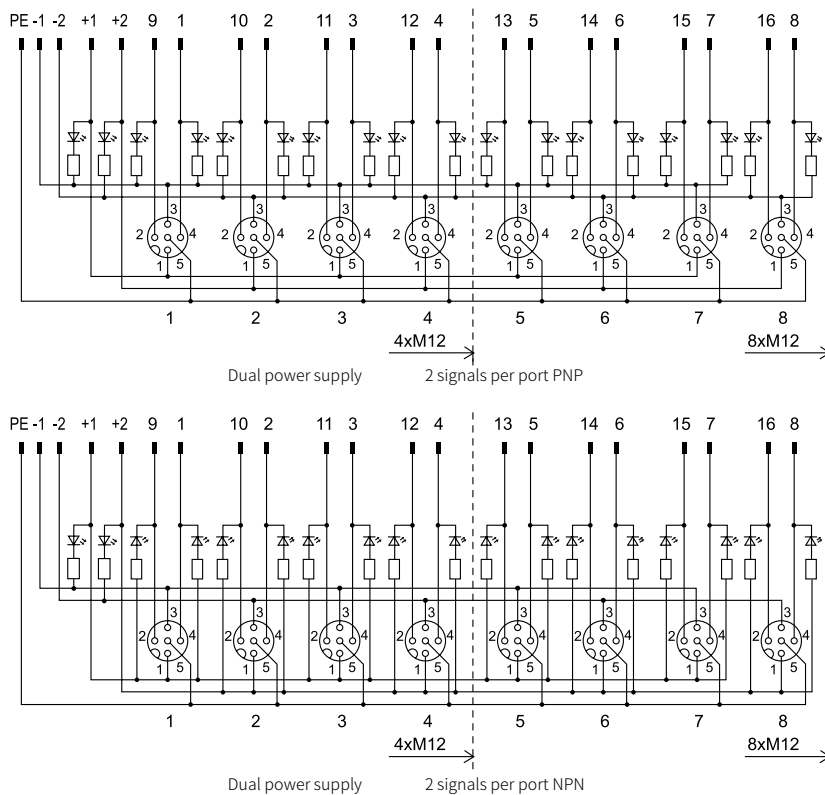
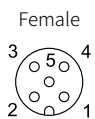
PNP	984560	988560
NPN	984561	988561

Circuit diagram

Contact layout

Pin 1: (+)
Pin 2: (S2)
Pin 3: (-)
Pin 4: (S1)
Pin 5: (PE)

LED indicator: green, power 1
red, power 2
yellow, signal
white, signal



2 Technical data

Supply voltage	24 V DC
Combined current	4 A
Protection	IP67
Temperature range	-20°C ...+70°C
Plug for cable diameter	8.5...14.0mm

Part No. **1** Form

Accessory

M12, 5 pin male

912721
912761



912700



M12 Y Type connector

941121
941141
941181



941201
941221



M12 Cap

996050



Notes

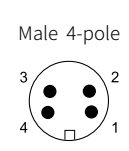
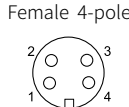
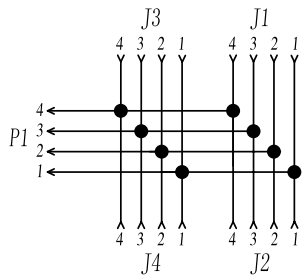
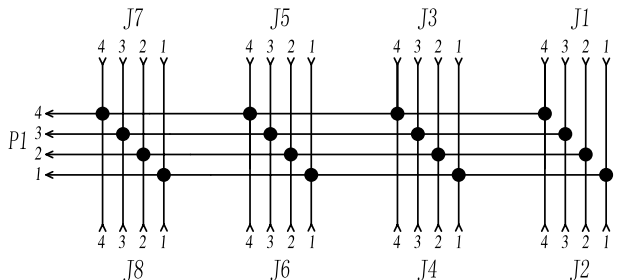
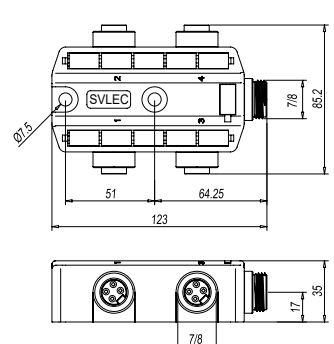
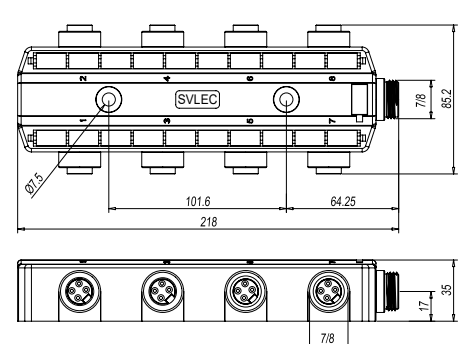
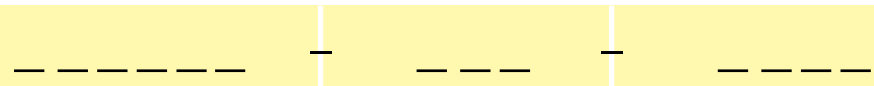
7/8" JUNCTION BOX

IP67 Power Distribution Box

4 Way

8 Way



1	Form	No.	978140	978180
	Suppression		4-pole	4-pole
	Contact layout		 	 
	Description			
2	Technical data			
	Supply voltage		600 V AC / DC	
	Combined current		8A	
	Protection		IP67	
	Temperature range		-30°C ...+70°C	
	Shell material		PA	
	Metal material		Cu-Ni plated brass	
	Sealing material		Epoxy resin	
	Part No.			
			1	Form
	Notes		Accessories and technical page: 5.3.2	

M12 L-CODED 6 JUNCTION BOX

Power Junction Box
L-coded

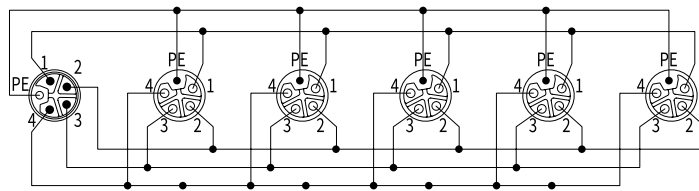
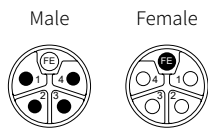
6 Way



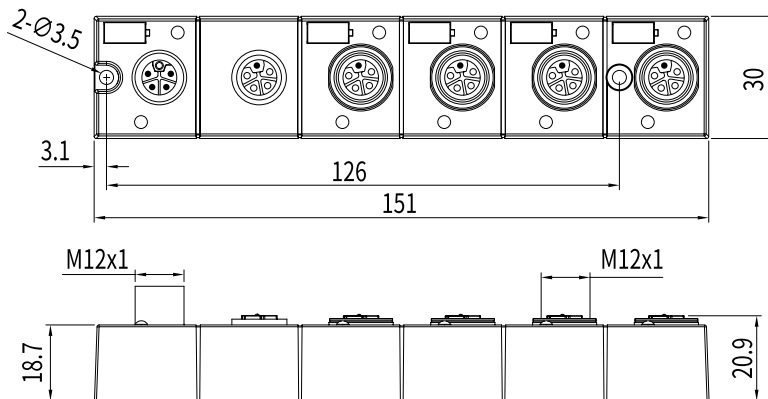
1 Form No. 978150

Suppression 6-pole

Contact layout



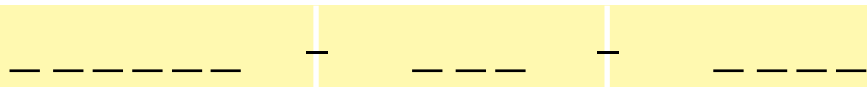
Description



2 Technical data

Supply voltage	60 V AC / DC
Combined current	16A
Protection	IP67
Temperature range	-30°C ...+70°C
Shell material	PA
Metal material	Cu-Ni plated brass
Sealing material	Epoxy resin

Part No.



1 Form

Notes

Accessories and technical page: 5.3.2

ACCESSORIES

Labeling accessories		Part No.
	M8 Blind plug M12 Blind plug	996060 996050
	M12 Label plates 2 plates = 10 pieces	999006
	M8 Connector tool	600004001
	M12 Connector tool	600004003
	M8, 3-pole	908601
	M8, 3-pole, Use with M8 connector installation wrench	908811
	M12, 4-pole, Wire diameter 4~6mm M12, 4-pole, Wire diameter 6~8mm	912701 912741
	M12, 5-pole, Wire diameter 4~6mm M12, 5-pole, Wire diameter 6~8mm	912721 912761
	M12, 4-pole, Wire diameter 5.2~3.5mm	912700
	M12-2M12, Y type connector, wiring diagram as shown in the B3.4.3	941121 941141 941181
	M12-2M8, Y type connector, wiring diagram as shown in the B3.4.3	941201 941221
	SHD 8 4 Fixer , suitable for M8 overmolding conenctor, M4 screw	63014102
	SHD 12 4 Fixer,suitable for M8 fielded wireable connector and M12 overmolding connector ,M4 Screw	63014104