

M12 DISTRIBUTION SYSTEMS PLASTIC

- Fully potted, sealed
- Highly resistant
- Application oriented

PLUGGABLE CONNECTIONS FROM THE PROCESS TO THE CONTROL

- Quick installation with pre-wired and tested cables
- Easy to separate during transportation and simple when redesigning your system, rapid replacement of damaged cables
- Double assignment of M12 ports saves space
- Safety models for inputs and outputs according to EN ISO 13849-2
- Universal configuration – contacts designed 1:1

Pluggable or pre-wired homerun cable

 Exact12 • 4-, 8-way • With LED for PNP or NPN signals • Without LED for voltages up to 125 V AC/DC • Analog signals • ATEX <i>Page 4.13.1</i>	 Exact12 • 4-, 8-way • With pluggable 8- or 12-pole M12 connection • With pluggable 12- or 19-pole M23 connection <i>Page 4.13.27</i>
 Exact12 basic modules • 4-, 8-way • With LED for PNP or NPN signals • Without LED for voltages up to 125 V AC/DC • Analog signals <i>Page 4.13.8</i>	 Exact12/MVP12 connection caps • Field-wireable with screw or spring clamp terminals • With pre-wired homerun cable and screw plug terminals <i>Page 4.13.14</i>
 Exact12 set • 4-, 8-way • With pluggable cap and screw plug terminals or spring clamp terminals <i>Page 4.13.17</i>	 Exact12 with connection on the back • 8-way • With pluggable connection on the back • Potential separation optional <i>Page 4.13.25</i>
 Exact12 UNIVERSAL • 4-way • M12 pin 1, 2, 3, and 4 freely configurable <i>Page 4.13.30</i>	 Exact12 – safety distribution system • 8-way • Potential separation optional <i>Page 4.13.31</i>

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– with molded homerun cable

Approvals: 

Exact12

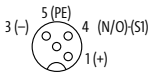
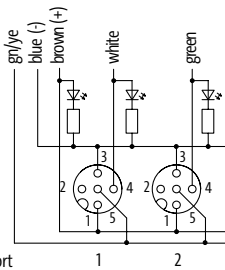
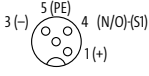
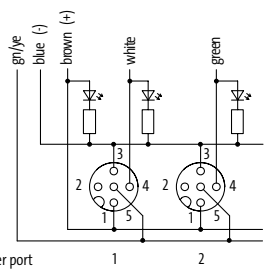
4-way
for PNP signals 24 V DC



Exact12

8-way
for PNP signals 24 V DC



1 Form		84410	88410
Type		PNP, 4-pole	PNP, 4-pole
Contact layout		M12-Females 4-pole   for 1 signal per port	M12-Females 4-pole   for 1 signal per port
2 Cable Type		Jacket Color – No./diameter of wires	
		gray	gray
PUR/PVC		333 – 4 × 0.34 + 3 × 0.75 mm ²	
PUR/PVC (UL/CSA), C-tracks			362 – 8 × 0.34 + 3 × 0.75 mm ²
PUR (UL/CSA), robots/C-tracks			447 – 8 × 0.5 + 3 × 1.0 mm ²
3 Cable Length			
3.0 m		0300	
5.0 m		0500	
10.0 m		1000	
15.0 m		1500	
Technical Data			
Operating voltage		24 V DC	
Total current		max. 8 A	
Protection		IP65/IP67	
Temperature range		-20...+70 °C, depending on cable quality	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1)	
PIN 1		(+)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8 0 0 0 - -	
		1 Form	2 Cable Type
		3 Cable Length	
Notes		Further cable lengths on request.	

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– with molded homerun cable

Approvals:  US Listed

Exact12

4-way
for NPN signals 24 V DC



Exact12

8-way
for NPN signals 24 V DC



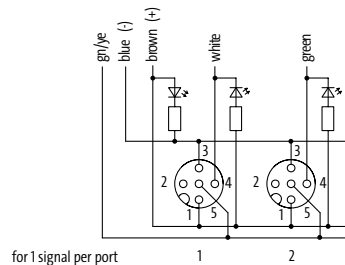
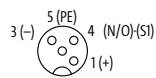
1 Form

84411

NPN, 4-pole

Type
Contact layout

M12-Females 4-pole

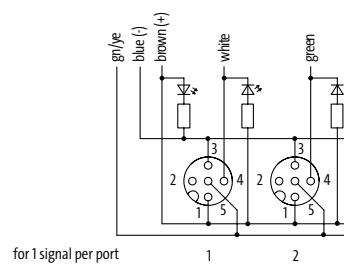
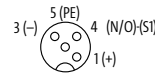


for 1 signal per port

88411

NPN, 4-pole

M12-Females 4-pole



for 1 signal per port

2 Cable Type

Jacket Color – No./diameter of wires

PUR/PVC
PUR/PVC (UL/CSA), C-tracks
PUR (UL/CSA), robots/C-tracks

gray

333 – 4 × 0.34 + 3 × 0.75 mm²

gray

362 – 8 × 0.34 + 3 × 0.75 mm²

447 – 8 × 0.5 + 3 × 1.0 mm²

3 Cable Length

5.0 m
10.0 m

0500
1000

Technical Data

Operating voltage 24 V DC
Total current max. 8 A
Protection IP65/IP67
Temperature range -20...+70 °C, depending on cable quality

max. 10 A

Contact Layout

LED display LED (green): Power / LED (yellow): (S1)
PIN 1 (+)
PIN 3 (-)
PIN 4 (NO)/(S1)
PIN 5 (Earth)

Article No.

The composition of your article number is explained on page 3.1.i

8 0 0 0

1 Form

2 Cable Type

3 Cable Length

Notes

Further cable lengths on request.

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– with molded homerun cable

Approvals:

Exact12

4-way
without LED



Exact12

8-way
without LED



1 Form		84412	88412
Type		without LED, 4-pole	without LED, 4-pole
Contact layout		M12-Females 4-pole for 1 signal per port	M12-Females 4-pole for 1 signal per port
2 Cable Type		Jacket Color – No./diameter of wires	
PUR/PVC		gray	gray
PUR/PVC (UL/CSA), C-tracks		333 – 4 × 0.34 + 3 × 0.75 mm ²	
PUR (UL/CSA), robots/C-tracks			362 – 8 × 0.34 + 3 × 0.75 mm ²
			447 – 8 × 0.5 + 3 × 1.0 mm ²
3 Cable Length			
5.0 m		0500	
10.0 m		1000	
Technical Data			
Operating voltage		125 V AC/DC	
Total current		max. 8 A	
Protection		IP65/IP67	
Temperature range		-20...+70 °C, depending on cable quality	
Contact Layout			
PIN 1		(+)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8 0 0 0 – – – – –	– – – – –
		1 Form	2 Cable Type 3 Cable Length
Notes		Further cable lengths on request.	

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– with molded homerun cable

Approvals:  US Listed

Exact12

4-way
for PNP signals 24 V DC



Exact12

8-way
for PNP signals 24 V DC



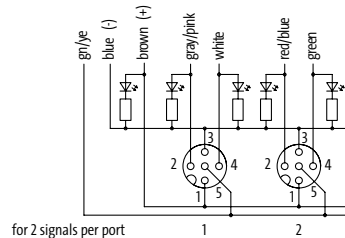
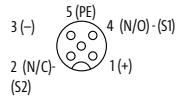
1 Form

84510

PNP, 5-pole

Type
Contact layout

M12-Females 5-pole

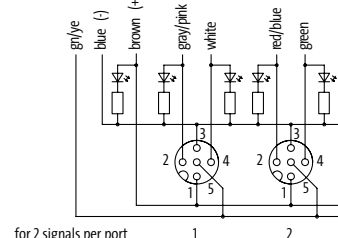
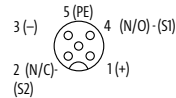


for 2 signals per port

88510

PNP, 5-pole

M12-Females 5-pole



for 2 signals per port

2 Cable Type

Jacket Color – No./diameter of wires

PUR/PVC
PUR (UL/CSA), robots/Ctracks
PUR/PVC (UL/CSA), Ctracks

gray
363 – 8 × 0.34 + 3 × 0.75 mm²
448 – 8 × 0.5 + 3 × 1.0 mm²

gray
452 – 16 × 0.5 + 3 × 1.0 mm²
398 – 16 × 0.34 + 3 × 0.75 mm²

3 Cable Length

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

Technical Data

Operating voltage 24 V DC
Total current max. 8 A
Protection IP65/IP67
Temperature range -20...+70 °C, depending on cable quality

Contact Layout

LED display LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)
PIN 1 (+)
PIN 2 (NC)/(S2)
PIN 3 (-)
PIN 4 (NO)/(S1)
PIN 5 (Earth)

Article No.

The composition of your article number is explained on page 3.1.i

8 0 0 0

–

–

–

–

1 Form

2 Cable Type

3 Cable Length

Notes

Further cable lengths on request.

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– with molded homerun cable



Exact12

4-way
for PNP signals 24 V DC
ATEX Zone 2 and 22



Exact12

8-way
for PNP signals 24 V DC
ATEX Zone 2 and 22



1 Form		84510	88510
Type		PNP, 5-pole	PNP, 5-pole
Contact layout		M12-Females 5-pole for 2 signals per port	M12-Females 5-pole for 2 signals per port
2 Cable Type		Jacket Color – No./diameter of wires	
PUR (UL/CSA), robots/C-tracks		gray 448 – 8 × 0.5 + 3 × 1.0 mm ²	gray 452 – 16 × 0.5 + 3 × 1.0 mm ²
3 Cable Length			
3.0 m		0300	
5.0 m		0500	
10.0 m		1000	
15.0 m		1500	
Technical Data			
Operating voltage		24 V DC	
Total current		max. 8 A	
Protection		IP65/IP67	
Temperature range		-20...+70 °C, depending on cable quality	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)	
PIN 1		(+) (NC)/(S2)	
PIN 2		(-)	
PIN 3		(NO)/(S1)	
PIN 4		(Earth)	
PIN 5			
Article No.			
The composition of your article number is explained on page 3.1.i		8099 1 Form 2 Cable Type 3 Cable Length	
Notes		Further cable lengths on request.	

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– with molded homerun cable

Approvals:  US Listed

Exact12

4-way

for NPN signals 24 V DC

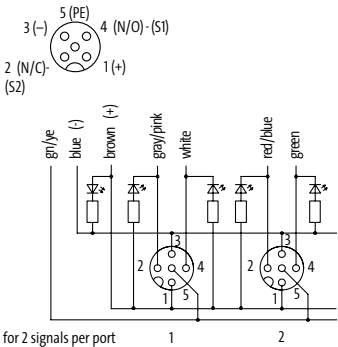
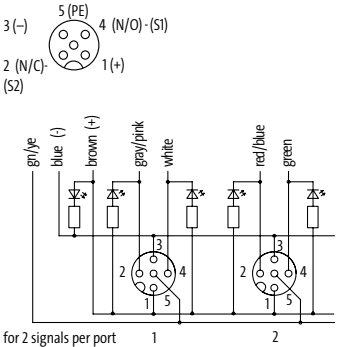


Exact12

8-way

for NPN signals 24 V DC



1 Form		84511	88511
Type	NPN, 5-pole		NPN, 5-pole
	Contact layout	M12-Females 5-pole  for 2 signals per port	M12-Females 5-pole  for 2 signals per port
2 Cable Type		Jacket Color – No./diameter of wires	
		gray	gray
PUR/PVC		363 – 8 × 0.34 + 3 × 0.75 mm ²	
PUR (UL/CSA), robots/C-tracks		448 – 8 × 0.5 + 3 × 1.0 mm ²	452 – 16 × 0.5 + 3 × 1.0 mm ²
PUR/PVC (UL/CSA), C-tracks			398 – 16 × 0.34 + 3 × 0.75 mm ²
3 Cable Length			
5.0 m		0500	
10.0 m		1000	
Technical Data			
Operating voltage		24 V DC	
Total current		max. 8 A	
Protection		IP65/IP67	
Temperature range		-20...+70 °C, depending on cable quality	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)	
PIN 1		(+)	
PIN 2		(NC)/(S2)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8 0 0 0	
		1 Form	2 Cable Type
		3 Cable Length	
Notes		Further cable lengths on request.	

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– with molded homerun cable

Approvals: 

Exact12

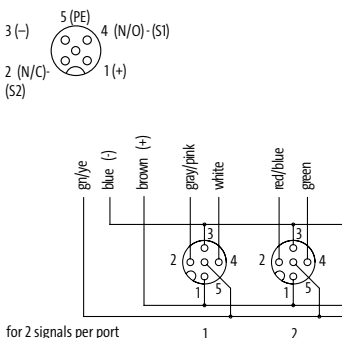
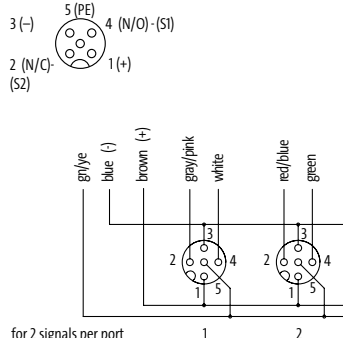
4-way
without LED



Exact12

8-way
without LED

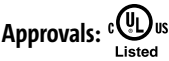


1 Form		84512	88512
Type		without LED, 5-pole	without LED, 5-pole
Contact layout		M12-Females 5-pole  for 2 signals per port	M12-Females 5-pole  for 2 signals per port
2 Cable Type		Jacket Color – No./diameter of wires	
		gray	gray
PUR/PVC		363 – 8 × 0.34 + 3 × 0.75 mm ²	
PUR (UL/CSA), robots/C-tracks		448 – 8 × 0.5 + 3 × 1.0 mm ²	452 – 16 × 0.5 + 3 × 1.0 mm ²
PUR/PVC (UL/CSA), C-tracks			398 – 16 × 0.34 + 3 × 0.75 mm ²
3 Cable Length			
5.0 m		0500	
10.0 m		1000	
Technical Data			
Operating voltage		125 V AC/DC	
Total current		max. 8 A	
Protection		IP65/IP67	
Temperature range		-20...+70 °C, depending on cable quality	
Contact Layout			
PIN 1		(+)	
PIN 2		(NC)/(S2)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8 0 0 0 – – –	
		1 Form	2 Cable Type
			3 Cable Length
Notes		Further cable lengths on request.	

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Base modules



Exact12

4-way
for PNP signals 24 V DC



Exact12

8-way
for PNP signals 24 V DC



1	Form	84400	88400
	Type	PNP, 4-pole	PNP, 4-pole
	Contact layout	M12-Females 4-pole 5 (PE) 3 (-) 4 (N/O)-(S1) 1 (+) -1 +1 1 3 PE 4 2 +2 -2 for 1 signal per port 1 2	M12-Females 4-pole 5 (PE) 3 (-) 4 (N/O)-(S1) 1 (+) -1 +1 1 3 PE 4 2 +2 -2 for 1 signal per port 1 2
Technical Data			
Operating voltage		24 V DC	
Operating current per contact		max. 4 A	
Total current		max. 8 A	
Protection		IP65/IP67	
Housing		Plastic, flame retardant	
Temperature range		-20...+70 °C	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1)	
PIN 1		(+)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8000 - - 000 0000	
		1 Form	
Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Base modules

Approvals:

Exact12

4-way
for NPN signals 24 V DC



Exact12

8-way
for NPN signals 24 V DC



1 Form		84401		88401	
Type		NPN, 4-pole		NPN, 4-pole	
Contact layout		M12-Females 4-pole 5 (PE) 3 (-) 4 (N/O)-(S1) 1 (+) -1 +1 1 3 PE 4 2 +2 -2 PE -1 -2 +1 +2 1 2 for 1 signal per port 1 2		M12-Females 4-pole 5 (PE) 3 (-) 4 (N/O)-(S1) 1 (+) 5 7 15 8 6 PE -1 -2 +1 +2 1 2 for 1 signal per port 1 2	
Technical Data					
Operating voltage		24 V DC			
Operating current per contact		max. 4 A			
Total current		max. 8 A			
Protection		IP65/IP67			
Housing		Plastic, flame retardant			
Temperature range		-20...+70 °C			
Contact Layout					
LED display		LED (green): Power / LED (yellow): (S1)			
PIN 1		(+)			
PIN 3		(-)			
PIN 4		(NO)/(S1)			
PIN 5		(Earth)			
Article No.					
The composition of your article number is explained on page 3.1.i		8 0 0 0 - - 0 0 0 0 0 0 0			
		1 Form			
Notes					

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Base modules

Approvals:  US Listed

Exact12

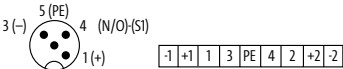
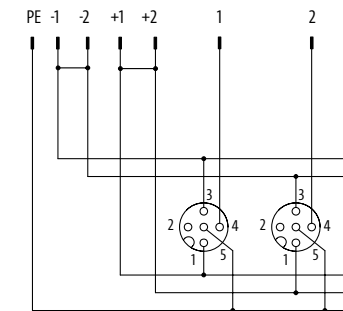
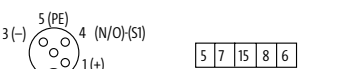
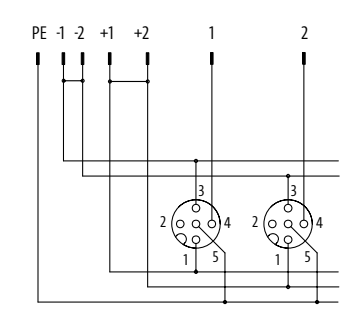
4-way
without LED



Exact12

8-way
without LED



M12 Distribution Systems (Plastic)	1 Form	84402	88402
	Type	without LED, 4-pole	without LED, 4-pole
	Contact layout	M12 Females 4-pole   for 1 signal per port	M12-Females 4-pole   for 1 signal per port
	Technical Data		
	Operating voltage	125 V AC/DC	
	Operating current per contact	max. 4 A	
	Total current	max. 8 A	
	Protection	IP65/IP67	
	Housing	Plastic, flame retardant	
	Temperature range	-20...+70 °C	
	Contact Layout		
	PIN 1	(+)	
	PIN 3	(-)	
	PIN 4	(NO)/(S1)	
	PIN 5	(Earth)	
	Article No.		
	The composition of your article number is explained on page 3.1.i	8 0 0 0 - - 0 0 0 0 0 0 0	
		1 Form	
	Notes		

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Base modules

Approvals: **UL** US Listed

Exact12

4-way
for PNP signals 24 V DC



Exact12

8-way
for PNP signals 24 V DC



1 Form		84500		88500	
Type		PNP, 5-pole		PNP, 5-pole	
Contact layout		M12-Females 5-pole 3 (-) 5 (PE) 4 (N/O)-(S1) 2(N/C)-(S2) 1 (+) 9 11 13 16 14 12 10 -1 +1 1 3 PE 4 2 +2 -2 PE -1 -2 +1 +2 9 1 10 2 3 2 4 1 5 3 2 4 1 5 for 2 signals per port 1 2		M12-Females 5-pole 3 (-) 5 (PE) 4 (N/O)-(S1) 2(N/C)-(S2) 1 (+) 9 11 13 16 14 12 10 -1 +1 1 3 PE 4 2 +2 -2 5 7 15 8 6 PE -1 -2 +1 +2 9 1 10 2 3 2 4 1 5 3 2 4 1 5 for 2 signals per port 1 2	
Technical Data					
Operating voltage		24 V DC			
Operating current per contact		max. 4 A			
Total current		max. 8 A			
Protection		IP65/IP67			
Housing		Plastic, flame retardant			
Temperature range		-20...+70 °C			
Contact Layout					
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)			
PIN 1		(+) / (S1)			
PIN 2		(NC)/(S2)			
PIN 3		(-)			
PIN 4		(NO)/(S1)			
PIN 5		(Earth)			
Article No.					
The composition of your article number is explained on page 3.1.i		8 0 0 0 - - 0 0 0 0 0 0 0			
		1 Form			
Notes					

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Base modules

Approvals: 
Listed

Exact12

4-way
for NPN signals 24 V DC



Exact12

8-way
for NPN signals 24 V DC



1	Form	84501	88501
	Type	NPN, 5-pole	NPN, 5-pole
	Contact layout	M12-Females 5-pole 3 (-) 5 (PE) 4 (N/O) - (S1) 1 (+) 2 (N/C) - (S2) 9 11 13 16 14 12 10 -1 +1 1 3 PE 4 2 +2 -2 PE -1 -2 +1 +2 9 1 10 2 for 2 signals per port 1 2 M12-Females 5-pole 3 (-) 5 (PE) 4 (N/O) - (S1) 1 (+) 2 (N/C) - (S2) 9 11 13 16 14 12 10 -1 +1 1 3 PE 4 2 +2 -2 PE -1 -2 +1 +2 9 1 10 2 for 2 signals per port 1 2	
Technical Data			
Operating voltage		24 V DC	
Operating current per contact		max. 4 A	
Total current		max. 8 A	
Protection		IP65/IP67	
Housing		Plastic, flame retardant	
Temperature range		-20...+70 °C	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)	
PIN 1		(+)	
PIN 2		(NC)/(S2)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8 0 0 0 - 0 0 0 - 0 0 0 0	
		1 Form	
Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Base modules

Approvals:  UL Listed

Exact12

4-way
without LED



Exact12

8-way
without LED

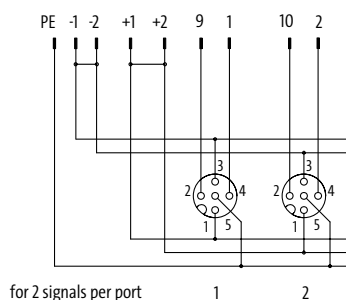
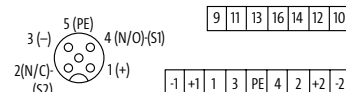


1 Form

84502

without LED, 5-pole

M12-Females 5-pole

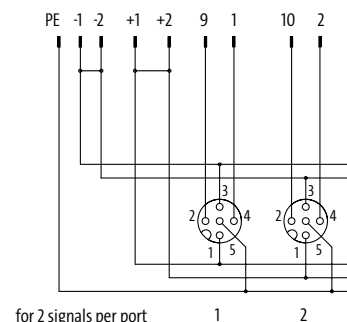
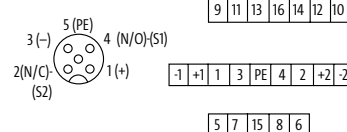


for 2 signals per port

88502

without LED, 5-pole

M12-Females 5-pole



for 2 signals per port

Technical Data

Operating voltage	125 V AC/DC
Operating current per contact	max. 4 A
Total current	max. 8 A
Protection	IP65/IP67
Housing	Plastic, flame retardant
Temperature range	-20...+70 °C

Contact Layout

PIN 1	(+)
PIN 2	(NC)/(S2)
PIN 3	(-)
PIN 4	(NO)/(S1)
PIN 5	(Earth)

Article No.

The composition of your article number is explained on page 3.1.i

8 0 0 0 - - - - - - 0 0 0 0 0 0

1 Form

Notes

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Connection cap with homerun cable

Exact12

for 4-way distribution boxes



1	Form	84459	84559	84659
	Type	4-pole Screw plug-in terminals	5-pole Screw plug-in terminals	5-pole Screw plug-in terminals with potential separation
Contact layout		M12-Females 4-pole for 1 signal per port		M12-Females 5-pole Exact12 for 2 signals per port
2	Cable Type	Jacket Color – No./diameter of wires		
		gray 333 – 4 × 0.34 + 3 × 0.75 mm ²	gray 363 – 8 × 0.34 + 3 × 0.75 mm ² 448 – 8 × 0.5 + 3 × 1.0 mm ²	gray 374 – 8 × 0.34 + 5 × 0.75 mm ²
3	Cable Length			
		3.0 m	0300	
		5.0 m	0500	
		10.0 m	1000	
		15.0 m	1500	
		20.0 m	2000	
		25.0 m	2500	
		30.0 m	3000	
Technical Data				
	Total current	max. 8 A		
	Temperature range	-20...+80 °C, depending on cable quality		
Article No.				
The composition of your article number is explained on page 3.1.i		8 0 0 0	-	-
		1	Form	2
		3	Cable Type	3
			Cable Length	
Notes				

M12 DISTRIBUTION SYSTEMS (PLASTIC)

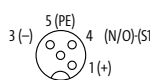
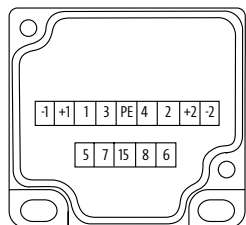
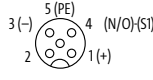
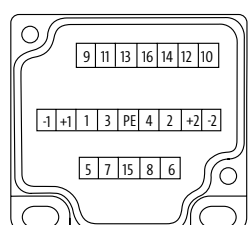
For sensors and actuators

– Connection cap with homerun cable

Exact12

for 8-way distribution boxes



1 Form		88459	88559	88659
Type		4-pole	5-pole	5-pole
		Screw plug-in terminals	Screw plug-in terminals	Screw plug-in terminals with potential separation
Contact layout		M12 Females 4-pole   for 1 signal per port		M12-Females 5-pole   for 2 signals per port
2 Cable Type		Jacket Color – No./diameter of wires		
		gray	gray	gray
PUR/PVC				404 – 16 × 0.34 + 5 × 0.75 mm ²
PUR/PVC (UL/CSA), C-tracks		362 – 8 × 0.34 + 3 × 0.75 mm ²	398 – 16 × 0.34 + 3 × 0.75 mm ²	
PUR (UL/CSA), robots/C-tracks		447 – 8 × 0.5 + 3 × 1.0 mm ²	452 – 16 × 0.5 + 3 × 1.0 mm ²	
3 Cable Length				
3.0 m		0300		
5.0 m		0500		
10.0 m		1000		
15.0 m		1500		
20.0 m		2000		
25.0 m		2500		
30.0 m		3000		
Technical Data				
Total current		max. 8 A		
Temperature range		-20...+80 °C, depending on cable quality		
Article No.				
The composition of your article number is explained on page 3.1.i		8 0 0 0 - -		
		1 Form	2 Cable Type	3 Cable Length
Notes				

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Connection cap without homerun cable

– Field-wireable

Exact12

for 4-, and 8-way distribution boxes



1 Form

88549

88559

Type

5-pole

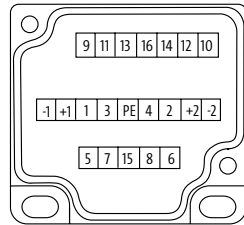
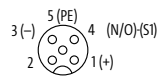
5-pole

Spring clamp plug-in terminals

Screw plug-in terminals

Contact layout

M12-Females 5-pole



for 2 signals per port

Technical Data

Total current	max. 2 × 8 A	
Connection	Spring clamp plug-in terminals: max. 1.5 mm ² (AWG 16)	Screw plug-in terminals: max. 1.5 mm ² (AWG 16)
Housing	Plastic, flame retardant	
Temperature range	-20...+80 °C, depending on cable quality	

Article No.

The composition of your article number is explained on page 3.1.i

8 0 0 0

-

- - - - -

0 0 0

0 0 0 0

1 Form

Notes

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Sets (basic module and cap)

– Field-wireable

Approvals:  Listed

Exact12

4-way



1	Form	84440	84450	84451
	Type	PNP, 4-pole	PNP, 4-pole	NPN, 4-pole
		Spring clamp plug-in terminals	Screw plug-in terminals	Screw plug-in terminals
	Contact layout	M12-Females 4-pole 3 (-) 5 (PE) 4 (N/O)-(S1) 1 (+) -1 +1 1 3 PE 4 2 +2 -2 for 1 signal per port		M12-Females 4-pole 3 (-) 5 (PE) 4 (N/O)-(S1) 1 (+) -1 +1 1 3 PE 4 2 +2 -2 for 1 signal per port
	Technical Data			
	Operating voltage	24 V DC		
	Operating current per contact	max. 4 A		
	Total current	max. 8 A		
	Connection	Spring clamp plug-in terminals: max. 1.5 mm² (AWG 16)	Screw plug-in terminals: max. 1.5 mm² (AWG 16)	
	Protection	IP65/IP67		
	Housing	Plastic, flame retardant		
	Temperature range	-20...+70 °C		
	Contact Layout			
	LED display	LED (green): Power / LED (yellow): (S1)		
	PIN 1	(+)		
	PIN 3	(-)		
	PIN 4	(NO))/(S1)		
	PIN 5	(Earth)		
	Article No.			
	The composition of your article number is explained on page 3.1.i	8 0 0 0 - - 0 0 0 0 0 0 0		
		1 Form		
	Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

- For sensors and actuators
- Sets (basic module and cap)
 - Field-wireable

Exact12
4-way



1	Form	84452			
	Type	without LED, 4-pole			
		Screw plug-in terminals			
	Contact layout	M12-Females 4-pole 5 (PE) 3 (-) 4 (N/O)/(S) 1 (+) -1 +1 1 3 PE 4 2 +2 -2			
		PE -1 -2 +1 +2 1 2 3 2 1 4 5 3 2 1 4 5 for 1 signal per port 1 2			
Technical Data					
Operating voltage		125 V AC/DC			
Operating current per contact		max. 4 A			
Total current		max. 8 A			
Connection		Screw plug-in terminals: max. 1.5 mm ² (AWG 16)			
Protection		IP65/IP67			
Housing		Plastic, flame retardant			
Temperature range		-20...+70 °C			
Contact Layout					
PIN 1		(+)			
PIN 3		(-)			
PIN 4		(NO)/(S)			
PIN 5		(Earth)			
Article No.					
The composition of your article number is explained on page 3.1.i		8 0 0 0 - 8 4 4 5 2 - 0 0 0 0 0 0 0			
		1 Form			
Notes					

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Sets (basic module and cap)

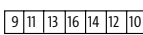
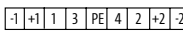
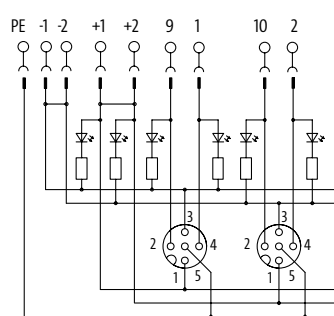
– Field-wireable

Approvals:  UL Listed

Exact12

4-way



1 Form		84540	84550
Type		PNP, 5-pole Spring clamp plug-in terminals	PNP, 5-pole Screw plug-in terminals
Contact layout		M12-Females 5-pole  3 (-) 5 (PE) 4 (N/O)/(S1) 1 (+)  2 (N/C)/(S2)  for 2 signals per port	
Technical Data			
Operating voltage		24 V DC	
Operating current per contact		max. 4 A	
Total current		max. 8 A	
Connection		Spring clamp plug-in terminals: max. 1.5 mm ² (AWG 16)	Screw plug-in terminals: max. 1.5 mm ² (AWG 16)
Protection		IP65/IP67	
Housing		Plastic, flame retardant	
Temperature range		-20...+70 °C	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)	
PIN 1		(+)	
PIN 2		(N/C)/(S2)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8 0 0 0	0 0 0 0
		1 Form	
Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

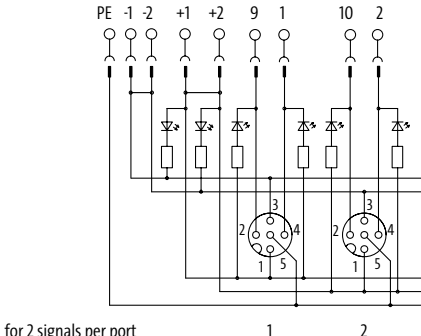
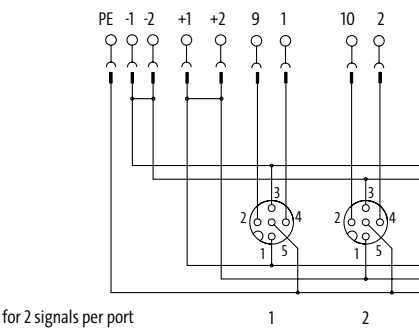
For sensors and actuators

- Sets (basic module and cap)
- Field-wireable

Exact12

4-way



1	Form	84551	84552
Approvals	cULus		
Type	NPN, 5-pole	without LED, 5-pole	
	Screw plug-in terminals	Screw plug-in terminals	
Contact layout	M12-Females 5-pole 3 (-) 5 (PE) 4 (N/O)-(S1) 2 (N/C)-(S2) 1 (+) 9 11 13 16 14 12 10 -1 +1 1 3 PE 4 2 +2 -2  for 2 signals per port 12 2	M12-Females 5-pole 3 (-) 5 (PE) 4 (N/O)-(S1) 2 (N/C)-(S2) 1 (+) 9 11 13 16 14 12 10 -1 +1 1 3 PE 4 2 +2 -2  for 2 signals per port 12 2	
Technical Data			
Operating voltage	24 V DC	125 V AC/DC	
Operating current per contact	max. 4 A		
Total current	max. 8 A		
Connection	Screw plug-in terminals: max. 1.5 mm² (AWG 16)		
Protection	IP65/IP67		
Housing	Plastic, flame retardant		
Temperature range	-20...+70 °C		
Contact Layout			
LED display	LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)	—	
PIN 1	(+)		
PIN 2	(NC)/(S2)		
PIN 3	(-)		
PIN 4	(NO)/(S1)		
PIN 5	(Earth)		
Article No.			
The composition of your article number is explained on page 3.1.i	8 0 0 0 — — — — — — — — 0 0 0 0 0 0 0		
	1 Form		
Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Sets (basic module and cap)

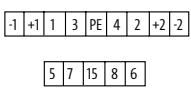
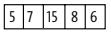
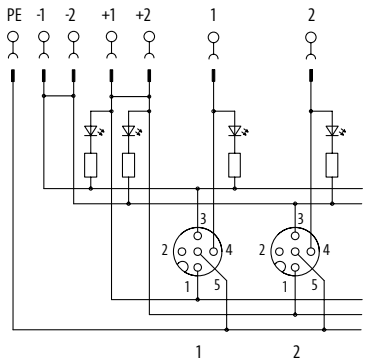
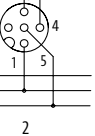
– Field-wireable

Approvals:  **UL** US
Listed

Exact12

8-way



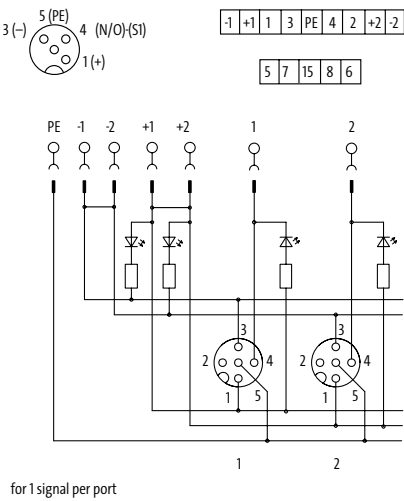
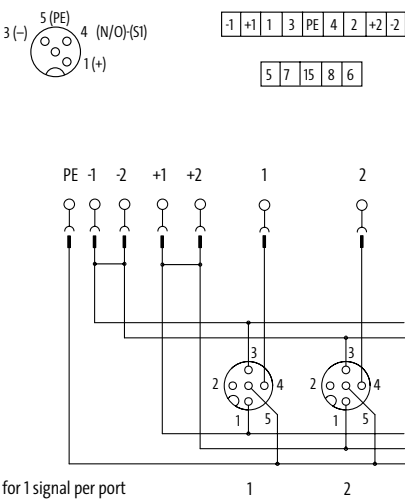
1 Form		88440	88450
Type		PNP, 4-pole Spring clamp plug-in terminals	PNP, 4-pole Screw plug-in terminals
Contact layout		M12-Females 4-pole         for 1 signal per port	
Technical Data			
Operating voltage		24 V DC	
Operating current per contact		max. 4 A	
Total current		max. 8 A	
Connection		Spring clamp plug-in terminals: max. 1.5 mm ² (AWG 16)	Screw plug-in terminals: max. 1.5 mm ² (AWG 16)
Protection		IP65/IP67	
Housing		Plastic, flame retardant	
Temperature range		-20...+70 °C	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1)	
PIN 1		(+)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8 0 0 0	0 0 0 0
		1 Form	
Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

- For sensors and actuators
- Sets (basic module and cap)
 - Field-wireable

Exact12
8-way



1	Form	88451	88452
	Approvals	cULus	
	Type	NPN, 4-pole	without LED, 4-pole
		Screw plug-in terminals	Screw plug-in terminals
	Contact layout	M12-Females 4-pole  for 1 signal per port	M12-Females 4-pole  for 1 signal per port
	Technical Data		
	Operating voltage	24 V DC	125 V AC/DC
	Operating current per contact	max. 4 A	
	Total current	max. 8 A	
	Connection	Screw plug-in terminals: max. 1.5 mm² (AWG 16)	
	Protection	IP65/IP67	
	Housing	Plastic, flame retardant	
	Temperature range	-20...+70 °C	
	Contact Layout		
	LED display	LED (green): Power / LED (yellow): (S1)	–
	PIN 1	(+)	
	PIN 3	(-)	
	PIN 4	(NO)/(S1)	
	PIN 5	(Earth)	
	Article No.		
	The composition of your article number is explained on page 3.1.i	8000 – 000 0000	
		1 Form	
	Notes		

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Sets (basic module and cap)

– Field-wireable

Approvals:  **UL** US
Listed

Exact12

8-way



1	Form	88540	88550
	Type	PNP, 5-pole	PNP, 5-pole
	Spring clamp plug-in terminals		Screw plug-in terminals
	Contact layout		

M12 DISTRIBUTION SYSTEMS (PLASTIC)

- For sensors and actuators
- Sets (basic module and cap)
 - Field-wireable

Exact12
8-way



M12 Distribution Systems (Plastic)	1	Form	88551	88552
	Approvals		cULus	
	Type		NPN, 5-pole	without LED, 5-pole
			Screw plug-in terminals	Screw plug-in terminals
	Contact layout		M12 Females 5-pole for 2 signals per port	M12 Females 5-pole for 2 signals per port
	Technical Data			
	Operating voltage		24 V DC	125 V AC/DC
	Operating current per contact		max. 4 A	
	Total current		max. 8 A	
	Connection		Screw plug-in terminals: max. 1.5 mm ² (AWG 16)	
	Protection		IP65/IP67	
	Housing		Plastic, flame retardant	
	Temperature range		-20...+70 °C	
	Contact Layout			
	LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)	–
	PIN 1		(+)	
	PIN 2		(NC)/(S2)	
	PIN 3		(-)	
	PIN 4		(NO)/(S1)	
	PIN 5		(Earth)	
	Article No.			
	The composition of your article number is explained on page 3.1.i		8000	0000
			1	Form
	Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– Rear connection

Approvals:  **UL**
Listed

Exact12



Exact12

with potential separation



1 Form

88580

88680

Type

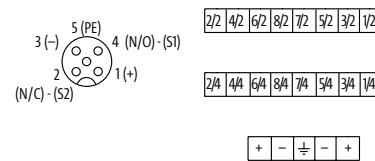
PNP, 5-pole

PNP, 5-pole

Contact layout

M12-Females 5-pole

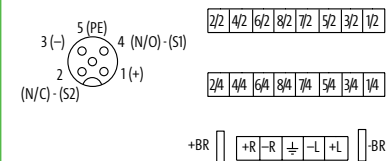
Bottom view



for 2 signals per port

M12-Females 5-pole

Bottom view



for 2 signals per port

Technical Data

Operating voltage	24 V DC
Operating current per contact	max. 4 A
Total current	max. 2 × 8 A
Protection	IP65/IP67
Housing	Plastic, flame retardant
Temperature range	-20...+70 °C

Contact Layout

LED display	LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)
PIN 1	(+)
PIN 2	(NC)/(S2)
PIN 3	(-)
PIN 4	(NO)/(S1)
PIN 5	(Earth)

Article No.

The composition of your article number is explained on page 3.1.i

8 0 0 0

1 Form

0 0 0

0 0 0 0

Notes

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

Approvals:  **UL US**
Listed

Exact12

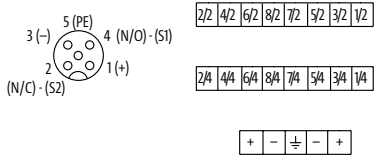
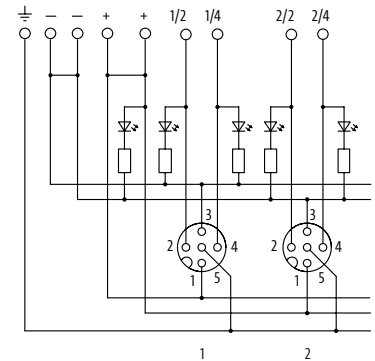
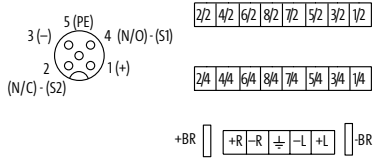
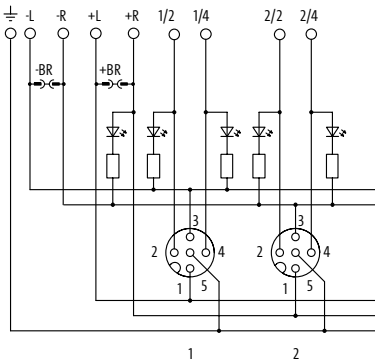
Pluggable rear connection



Exact12

Pluggable rear connection
with potential separation



1 Form		88590	88690
Type		PNP, 5-pole Spring clamp plug-in terminals	PNP, 5-pole Spring clamp plug-in terminals
Contact layout		M12-Females 5-pole Bottom view   for 2 signals per port	M12-Females 5-pole Bottom view   for 2 signals per port
Technical Data			
Operating voltage		24 V DC	
Operating current per contact		max. 4 A	
Total current		max. 2 × 8 A	
Protection		IP65/IP67	
Housing		Plastic, flame retardant	
Temperature range		-20...+70 °C	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)	
PIN 1		(+)	
PIN 2		(NC)/(S2)	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8 0 0 0 - - - - - - - 0 0 0 0 0 0 0 0	
		1 Form	
Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– M12 plug connection

Approvals:
 Listed

Exact12

4-way



Exact12

8-way



Exact12

4-way



1	Form	84470	88460	84560
Type		5-, 4-pole M12 plug connection, 8-pole	5-, 4-pole M12 plug connection, 12-pole	5-pole M12 plug connection, 12-pole
Contact layout		M12-Females 5-pole 2 signals M12-Females 4-pole 1 signal M12-Plug 8-pole M12-Plug 8-pole 1 + 2 3 + 4	M12-Females 5-pole 2 signals M12-Females 4-pole 1 signal M12-Plug 12-pole M12-Plug 12-pole 1 + 2 3...8	M12-Females 5-pole M12-Plug 12-pole M12-Plug 12-pole for 2 signals per port 1 2
Technical Data				
Operating voltage		24 V DC		
Operating current per contact		max. 2 A		max. 1.5 A
Total current		max. 2 A		max. 1.5 A
Protection		IP65/IP67		
Housing		Plastic, flame retardant		
Temperature range		-20...+70 °C		
Contact Layout				
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)		
PIN 1		(+) / (S1)		
PIN 2		(NC)/(S2)		
PIN 3		(-)		
PIN 4		(NO)/(S1)		
PIN 5		(Earth)		
Article No.				
The composition of your article number is explained on page 3.1.i		8000 - - 000 0000		
		1 Form		
Notes				

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– M23 plug connection



Exact12

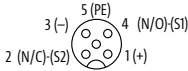
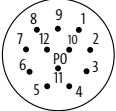
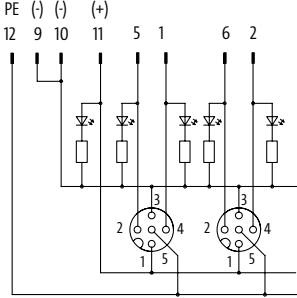
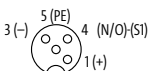
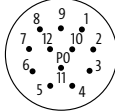
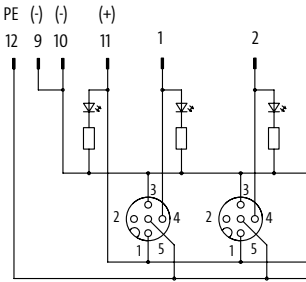
4-way



Exact12

8-way



1	Form	84530	88430
Type		5-pole	4-pole
		M23 plug connection, 12-pole	M23 plug connection, 12-pole
Contact layout		M12-Females 5-pole  M23-Plug 12-pole   for 2 signals per port 1 2	M12-Females 4-pole  M23-Plug 12-pole   for 1 signal per port 1 2
Technical Data			
Operating voltage		24 V DC	
Operating current per contact		max. 4 A	
Total current		max. 8 A	
Protection		IP65/IP67	
Housing		Plastic, flame retardant	
Temperature range		-20...+75 °C	
Contact Layout			
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)	
PIN 1		(+)	
PIN 2		(NC)/(S2) -	
PIN 3		(-)	
PIN 4		(NO)/(S1)	
PIN 5		(Earth)	
Article No.			
The composition of your article number is explained on page 3.1.i		8000 - - 000 0000	
		1 Form	
Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

– M23 plug connection

Approvals:  **UL** US
Listed

Exact12

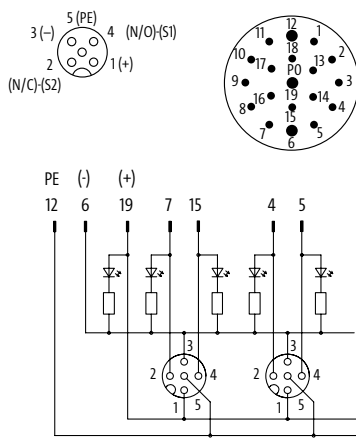
4-way



Exact12

8-way

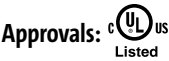


1	Form	84520	88520
Type	5-pole M23 plug connection, 19-pole	5-pole M23 plug connection, 19-pole	
Contact layout	M12-Females 5-pole M23-Plug 19-pole  for 2 signals per port 1 2		
Technical Data			
Operating voltage	24 V DC		
Operating current per contact	max. 4 A		
Total current	max. 8 A		
Protection	IP65/IP67		
Housing	Plastic, flame retardant		
Temperature range	-20...+80 °C		
Contact Layout			
LED display	LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2)		
PIN 1	(+)		
PIN 2	(NC)/(S2)		
PIN 3	(-)		
PIN 4	(NO)/(S1)		
PIN 5	(Earth)		
Article No.			
The composition of your article number is explained on page 3.1.i	8 0 0 0 - - 0 0 0 0 0 0 0		
	1 Form		
Notes			

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For general applications

– with molded homerun cable



Exact12 UNIVERSAL

4-way



1 Form		84712		
Type		without LED, 5-pole (for analog signals)		
Contact layout		M12-Females 5-pole 3 (-) 5 (PE) 4 (N/O) - (S1) 2 (N/C) - (S2) 1 (+) br/ye brown blue wh/ye br/pk pink white ye/bn rd/bu red green n.c. n.c. 2 3 4 5 1 2 3 4 5 1 1 2 free arrangeable, contact 1:1 on terminals for 4 signals per port, PIN5 bridged on terminals		
2 Cable Type		Jacket Color – No./diameter of wires		
		gray		
PUR/PVC (UL/CSA), C-tracks		398 – 16 × 0.34 + 3 × 0.75 mm²		
3 Cable Length				
3.0 m		0300		
5.0 m		0500		
10.0 m		1000		
15.0 m		1500		
Technical Data				
Operating voltage		42 V AC/DC		
Total current		max. 10 A		
Protection		IP65/IP67		
Temperature range		-20...+70 °C, depending on cable quality		
Contact Layout				
PIN 1		(S1)		
PIN 2		(S2)		
PIN 3		(S3)		
PIN 4		(S4)		
PIN 5		(Earth)		
Article No.				
The composition of your article number is explained on page 3.1.i		8 0 0 0 – 8 4 7 1 2 – – – – – – – – –		
Notes				

free arrangeable, contact 1:1 on terminals
for 4 signals per port, PINS bridged on terminals

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For safety wiring

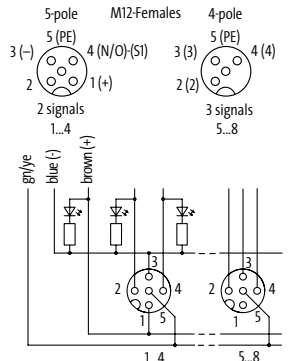
- with molded homerun cable
- Homerun cable with spring clamp terminals
- EN ISO 13849-2

Approvals:  **UL** US Listed

Exact12 Safety

8-way
for PNP signals 24 V DC



1 Form		98710
Type	PNP, 5-pole, 4/3-pole	
Contact layout		
2 Cable Type		Jacket Color – No./diameter of wires
PUR/PVC (UL/CSA)		gray 407 – 20 × 0.34 + 3 × 0.75 mm²
3 Cable Length		
3.0 m		0300
5.0 m		0500
10.0 m		1000
15.0 m		1500
Technical Data		
Operating voltage		24 V DC
Total current		max. 8 A
Protection		IP65/IP67
Temperature range		-20...+60 °C, depending on cable quality
Contact Layout		
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2) port 1...4
PIN 1		(+) port 1...4
PIN 2		(NC)/(S2) port 1...4; (S1) port 5...8
PIN 3		(-) port 1...4; (S2) port 5...8
PIN 4		(NO)/(S1) port 1...4; (S3) port 5...8
PIN 5		(Earth)
Article No.		
The composition of your article number is explained on page 3.1.i		8000 – 98710 – – – – – – – –
		1 Form 2 Cable Type 3 Cable Length
Notes		

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For safety wiring

– Basic module

– EN ISO 13849-2

Approvals:  Listed

Exact12 Safety

8-way
for PNP signals 24 V DC



1	Form	98700		
	Type	PNP, 5-pole, 4/3-pole		
Contact layout		5-pole M12-Females 4-pole 3 (-) 5 (PE) 4 (N/O)-(S1) 1 (+) 2 (N/C)-(S2) 3 (S2) 5 (PE) 4 (S3) 2 (S1) 2 signals 1...4 3 signals 5...8 15 21 20 19 29 22 24 5 14 13 6 4 2 18 17 16 8 7 9 1 11 3 10 11 9 10 1 2 13 14 15 3 2 4 1 5 3 2 4 1 5 1...4 5...8		
Technical Data				
Operating voltage		24 V DC		
Operating current per contact		max. 4 A		
Total current		max. 8 A		
Protection		IP65/IP67		
Housing		Plastic, flame retardant		
Locking of ports		Screw thread M12 × 1 mm		
Temperature range		-20...+60 °C		
Contact Layout				
LED display		LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2) port 1...4		
PIN 1		(+) port 1...4		
PIN 2		(NC)/(S2) port 1...4; (S1) port 5...8		
PIN 3		(-) port 1...4; (S2) port 5...8		
PIN 4		(NO)/(S1) port 1...4; (S3) port 5...8		
PIN 5		(Earth)		
Article No.				
The composition of your article number is explained on page 3.1.i		8000 - 98700 - 000 0000		
		1 Form		
Notes				

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For safety wiring

- Connection cap
- Homerun cable with spring clamp terminals

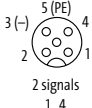
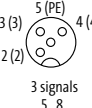
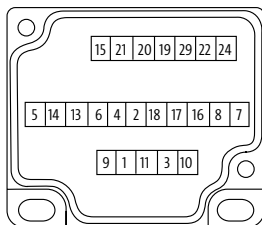
– EN ISO 13849-2

Approvals:  **UL** US Listed

Exact12 Safety

for 8-way distribution boxes



1 Form		98749
Type	5-, 4-pole	
Contact layout	5-pole  2 signals 1...4 M12-Females 4-pole  3 signals 5...8 	
2 Cable Type		Jacket Color – No./diameter of wires
PUR (UL/CSA), robots/C-tracks		gray 408 – 20 × 0.34 + 3 × 0.75 mm²
3 Cable Length		
3.0 m		0300
5.0 m		0500
10.0 m		1000
15.0 m		1500
20.0 m		2000
Technical Data		
Total current		max. 8 A
Temperature range		-20...+80 °C, depending on cable quality
Article No.		
The composition of your article number is explained on page 3.1.i		8 0 0 0 – 9 8 7 4 9 – – – – – – – –
		1 Form 2 Cable Type 3 Cable Length
Notes		

M12 DISTRIBUTION SYSTEMS (PLASTIC)

For sensors and actuators

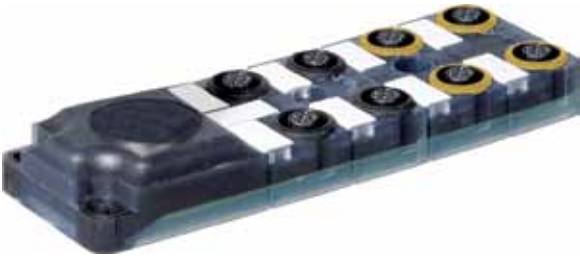
– Rear connection

– EN ISO 13849-2

Approvals:  US
Listed

Exact12 Safety

Rear connection
with potential separation

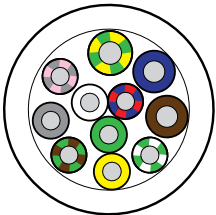


1	Form	98790
	Type	PNP, 5-pole, 4/3-pole Spring clamp terminals
	Contact layout	5-pole M12-Females 4-pole Bottom view 5 (PE) 3 (-) 4 (N/O)-(S1) 1 (+) 2 (N/C)-(S2) 2 signals 1...4 5 (PE) 3 (S2) 4 (S3) 2 (S1) 3 signals 5...8 9 12 13 17 18 19 23 24 25 11 10 7 16 14 15 22 20 21 +BR + R - R 8 6 ± - L + L -BR ± - L - R + L + R 6 7 8 9 14 15 16 ± - L - R + L + R 6 7 8 9 14 15 16 1, 3 2, 4 5...8
	Technical Data	
	Operating voltage	24 V DC
	Operating current per contact	max. 4 A
	Total current	max. 8 A
	Protection	IP65/IP67
	Housing	Plastic, flame retardant
	Locking of ports	Screw thread M12 × 1 mm
	Temperature range	-20...+60 °C
	Contact Layout	
	LED display	LED (green): Power / LED (yellow): (S1) / LED (white): Signal (S2) port 1...4
	PIN 1	(+) port 1...4
	PIN 2	(NC)/(S2) port 1...4; (S1) port 5...8
	PIN 3	(-) port 1...4; (S2) port 5...8
	PIN 4	(NO)/(S1) port 1...4; (S3) port 5...8
	PIN 5	(Earth)
	Article No.	
	The composition of your article number is explained on page 3.1.i	8 0 0 0 - 9 8 7 9 0 - 0 0 0 0 0 0 0
		1 Form
	Notes	

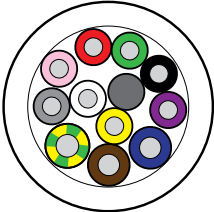
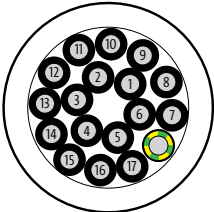
M12 DISTRIBUTION SYSTEMS (PLASTIC)

Mounting accessories			Art-No.
	Torque wrench set M12 (0.6 Nm, SW13)	M12 data connenctor molded (standard)	7000-99102-0000000
	Torque wrench M12 (0.6 Nm, SW13)	M12 data connenctor molded (standard)	7000-99109-0000000
	Torque wrench M12 (0.6 Nm, SW14)	M12 data connenctor moulded (Xtreme)	7000-99108-0000000
	Torque wrench M12 (0.6 Nm, SW17)	M12 field-wireable (IDC terminal)	7000-99094-0000000
	Torque wrench M12 (0.6 Nm, SW18)	M12 field-wireable via (screw terminals)	7000-99103-0000000
	DIN-rail adapter with fixing screws, plastic		27905
	V2A guard Exact12 ATEX, 4-way	for 8099-84510-448xxxx	996082
	V2A guard Exact12 ATEX, 8-way	for 8099-88510-452xxxx	996083
Plug accessories			Art-No.
	Transfer module for 1 × 11- and 1 × 12-pole spring clamp terminals		596154
	Service adapter with LED and SUB-D25	for transfer module Art-No. 596154	596153

M12 DISTRIBUTION SYSTEMS (PLASTIC)

Plug accessories			Art-No.
	Screw plug M12 × 1 mm Metal, hex, 1 piece		996049
	Screw plug M12 × 1 mm (for female) Plastic, hex without gasket	Quantity: 10 pcs.	58627
	Label plates KES 20 × 8 (white)	(10 pieces/2 plates)	996067
	Label plates KES 17 × 9 (Type M) (12 pieces/2 plates)		996050
	Adapter M8/M12 3-pole	M12 Distribution Systems	7000-42201-0000000
	Adapter M8/M12 4-pole	M12 Distribution Systems	7000-42211-0000000
Homerun cable accessories			Art-No.
	Coding element for 6 codings		996054
	Screw plug M23 Metal		55352
	Screw plug M12 × 1 mm (for male) Plastic	Quantity: 4 pcs.	56951
	Cable rings (50 m), 5-pole, PUR/PVC 8×0.34 + 3×0.75 mm ²	4-way distribution boxes M12	8000-00000-3635000
	12×0.34 + 3×0.75 mm ²	6-way distribution boxes M12	8000-00000-3885000
	16×0.34 + 3×0.75 mm ²	8-way distribution boxes M12	8000-00000-3985000

M12 DISTRIBUTION SYSTEMS (PLASTIC)

Homerun cable accessories			Art-No.
	Cable rings (50 m), 4-pole, PUR (UL/CSA), halogen free		
	8×0.5 + 3×1.0 mm ²	8-way distribution boxes M12	8000-00000-4475000
	8×0.5 + 3×1.0 mm ²	4-way distribution boxes M12	8000-00000-4485000
	16×0.5 + 3×1.0 mm ²	8-way distribution boxes M12	8000-00000-4525000
	16×0.34 + 5×0.75 mm ²	8-way distribution boxes M12, potentially separated	8000-00000-4035000
	Cable rings (50 m), PUR/PVC		
	18 × 0.75 mm ²	4-way distribution box M12, UNIVERSAL	8000-00000-5335000
	4×0.34 + 3×0.75 mm ²	4-way distribution boxes M12	8000-00000-3335000
	8×0.34 + 3×0.75 mm ²	8-way distribution boxes M12	8000-00000-3625000
	8×0.34 + 5×0.75 mm ²	4-way distribution boxes M12, potentially separated	8000-00000-3745000
	16×0.34 + 5×0.75 mm ²	8-way distribution boxes M12, potentially separated	8000-00000-4045000