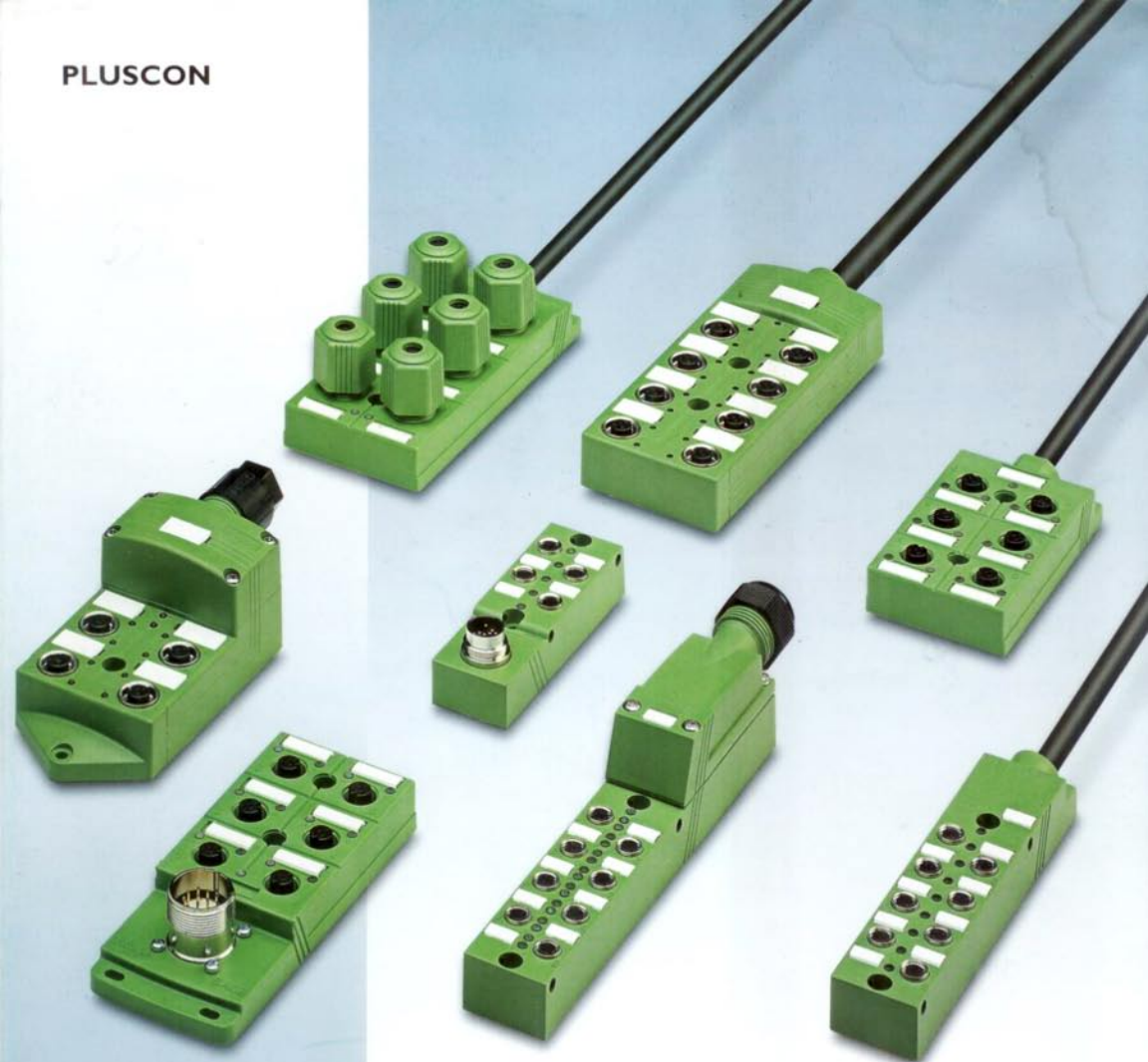


PLUSCON



PLUSCON field Sensor/Actuator Boxes

M12 slots, shielded

4 slots



6 slots



8 slots



Master cable

Without LED
Double-occupancy 5 m
10 m

SACB-4/8-5,0PUR SH 1695786
SACB-4/8-10,0PUR SH 1695799

SACB-6/12-5,0PUR SH 1695809
SACB-6/12-10,0PUR SH 1695812

SACB-8/16-5,0PUR SH 1695825
SACB-8/16-10,0PUR SH 1695838

M23 plug connection 90°



Without LED
Double-occupancy 5 m
10 m

SACB-4/8-M23 SH 1695757

SACB-6/12-M23 SH 1695760

SACB-8/16-M23 SH 1695773

QUICKON connection

4 slots



6 slots



8 slots



Master cable

Without LED
5 m
10 m

SACB-4Q/4P-5,0PUR 120V 1683662
SACB-4Q/4P-10,0PUR 120V 1683675

SACB-6Q/4P-5,0PUR 120V 1683688
SACB-6Q/4P-10,0PUR 120V 1683691

SACB-8Q/4P-5,0PUR 120V 1683701
SACB-8Q/4P-10,0PUR 120V 1683714

With LED
5 m
10 m

SACB-4Q/4P-L-5,0PUR 120V 1695223
SACB-4Q/4P-L-10,0PUR 120V 1695236

SACB-6Q/4P-L-5,0PUR 120V 1695252
SACB-6Q/4P-L-10,0PUR 120V 1695265

SACB-8Q/4P-L-5,0PUR 120V 1695281
SACB-8Q/4P-L-10,0PUR 120V 1695294

Spring-cage connection 180°



Without LED

SACB-4Q/4P-SC 1683633

SACB-6Q/4P-SC 1683646

SACB-8Q/4P-SC 1683659

With LED

SACB-4Q/4P-L-SC 1662939

SACB-6Q/4P-L-SC 1662942

SACB-8Q/4P-L-SC 1662955

Passive Sensor/Actuator Boxes – Fast and space-saving installation

M8 distributors



The M8 boxes set standards in distributed field cabling when it comes to space. The boxes have 4, 6, 8 or 10 slots and their small size and low weight means that they barely influence the dynamic behavior of robot arms or other handling systems.

SPEEDCON distributors



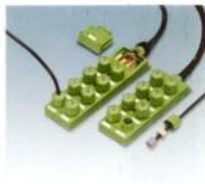
With the integration of SPEEDCON quick locking, the connection time of the M12 plug connectors is reduced by 90% following the Plug and Turn principle. SPEEDCON quick locking is 100% compatible with existing M12 plug connectors.

M12 distributors



The wide and varied product range of M12 boxes and the corresponding plug connectors (see PLUSCON catalog) provides an inexpensive, space-saving, fast and variable type of IP67-protected installation technology.

QUICKON distributors



The QUICKON fast connection technology is predestined for a quick and reliable wiring of sensors and actuators. To allow any type of equipment to be connected to the controller, the QUICKON boxes are available as 4, 6 and 8-way distributors.

M8 slots

4 slots

6 slots

8 slots

10 slots

Master cable

With LED

5 m

SACB-4/3-L-5,0PUR-M8

1516014

SACB-6/3-L-5,0PUR-M8

1516030

SACB-8/3-L-5,0PUR-M8

1516056

SACB-10/3-L-5,0PUR-M8

1516072

10 m

SACB-4/3-L-10,0PUR-M8

1516027

SACB-6/3-L-10,0PUR-M8

1516043

SACB-8/3-L-10,0PUR-M8

1516069

SACB-10/3-L-10,0PUR-M8

1516085

M12/M16 plug connection

With LED

M12

SACB-4/3-L-M12-M8

1516234

SACB-6/3-L-M12-M8

1516247

M16

SACB-4/3-L-M16-M8

1516182

SACB-6/3-L-M16-M8

1516195

SACB-8/3-L-M16-M8

1516205

SACB-10/3-L-M16-M8

1516218

Pluggable master cable connection

With LED

SACB-4/3-L-C-M8

1503412

SACB-6/3-L-C-M8

1503425

SACB-8/3-L-C-M8

1511750

SACB-10/3-L-C-M8

1503438

Header and connector hood

Header, with LED

SACB-4/3-L-C-M8 GG

1516250

SACB-6/3-L-C-M8 GG

1516263

SACB-8/3-L-C-M8 GG

1516276

SACB-10/3-L-C-M8 GG

1516289

Connector hood, with cable

5 m

SACB-C-H180-4/3-5,0PUR-M8

1516292

SACB-C-H180-6/3-5,0PUR-M8

1516315

SACB-C-H180-8/3-5,0PUR-M8

1516331

SACB-C-H180-10/3-5,0PUR-M8

1516357

10 m

SACB-C-H180-4/3-10,0PUR-M8

1516302

SACB-C-H180-6/3-10,0PUR-M8

1516328

SACB-C-H180-8/3-10,0PUR-M8

1516344

SACB-C-H180-10/3-10,0PUR-M8

1516360

M12 slots with SPEEDCON

		4 slots	6 slots	8 slots		
Master cable	Without LED Single-occupancy	5 m	SACB-4/4-5,0PUR SCO 1516962	SACB-6/6-5,0PUR SCO 1517000	SACB-8/8-5,0PUR SCO 1517042	
		10 m	SACB-4/4-10,0PUR SCO 1516975	SACB-6/6-10,0PUR SCO 1517013	SACB-8/8-10,0PUR SCO 1517055	
	Without LED Double-occupancy	5 m	SACB-4/8-5,0PUR SCO 1516988	SACB-6/12-5,0PUR SCO 1517026	SACB-8/16-5,0PUR SCO 1517068	
		10 m	SACB-4/8-10,0PUR SCO 1516991	SACB-6/12-10,0PUR SCO 1517039	SACB-8/16-10,0PUR SCO 1517071	
	With LED Single-occupancy	5 m	SACB-4/4-L-5,0PUR SCO 1517084	SACB-6/6-L-5,0PUR SCO 1517123	SACB-8/8-L-5,0PUR SCO 1517165	
		10 m	SACB-4/4-L-10,0PUR SCO 1517097	SACB-6/6-L-10,0PUR SCO 1517136	SACB-8/8-L-10,0PUR SCO 1517178	
	With LED Double-occupancy	5 m	SACB-4/8-L-5,0PUR SCO 1517107	SACB-6/12-L-5,0PUR SCO 1517149	SACB-8/16-L-5,0PUR SCO 1517181	
		10 m	SACB-4/8-L-10,0PUR SCO 1517110	SACB-6/12-L-10,0PUR SCO 1517152	SACB-8/16-L-10,0PUR SCO 1517194	
	Pluggable master cable connection 180°	Without LED	Single-occupancy	SACB-4/4-C SCO 1516849	SACB-6/6-C SCO 1516865	SACB-8/8-C SCO 1516881
			Double-occupancy	SACB-4/8-C SCO 1516852	SACB-6/12-C SCO 1516878	SACB-8/16-C SCO 1516894
		With LED	Single-occupancy	SACB-4/4-L-C SCO 1516784	SACB-6/6-L-C SCO 1516807	SACB-8/8-L-C SCO 1516823
			Double-occupancy	SACB-4/8-L-C SCO 1516797	SACB-6/12-L-C SCO 1516810	SACB-8/16-L-C SCO 1516836
Header and connector hood		Header, with LED Single-occupancy	Double-occupancy	SACB-4/4-L-CGG SCO 1516726	SACB-6/6-L-CGG SCO 1516742	SACB-8/8-L-CGG SCO 1516768
			Double-occupancy	SACB-4/8-L-CGG SCO 1516739	SACB-6/12-L-CGG SCO 1516755	SACB-8/16-L-CGG SCO 1516771
	Connector hood Single-occupancy	5 m	SACB-C-H180-4/4-5,0PUR SCO 1516353	SACB-C-H180-6/6-5,0PUR SCO 1516551	SACB-C-H180-8/8-5,0PUR SCO 1516577	
		10 m	SACB-C-H180-4/4-10,0PUR SCO 1516548	SACB-C-H180-6/6-10,0PUR SCO 1516564	SACB-C-H180-8/8-10,0PUR SCO 1516580	
	Connector hood Double-occupancy	5 m	SACB-C-H180-4/8-5,0PUR SCO 1516593	SACB-C-H180-6/12-5,0PUR SCO 1516616	SACB-C-H180-8/16-5,0PUR SCO 1516632	
		10 m	SACB-C-H180-4/8-10,0PUR SCO 1516603	SACB-C-H180-6/12-10,0PUR SCO 1516629	SACB-C-H180-8/16-10,0PUR SCO 1516645	

Master cable

Spring-cage connection 180°

M23 plug connection 90°

M23 plug connection 180°

4 slots

6 slots

8 slots



Without LED Single-occupancy	5 m	SACB-4/4-5,0PUR	1680940	SACB-6/6-5,0PUR	1680966	SACB-8/8-5,0PUR	1680982
	10 m	SACB-4/4-10,0PUR	1680953	SACB-6/6-10,0PUR	1680979	SACB-8/8-10,0PUR	1680995
Without LED Double-occupancy	5 m	SACB-4/8-5,0PUR	1680885	SACB-6/12-5,0PUR	1680908	SACB-8/16-5,0PUR	1680924
	10 m	SACB-4/8-10,0PUR	1680898	SACB-6/12-10,0PUR	1680911	SACB-8/16-10,0PUR	1680937
With LED Single-occupancy	5 m	SACB-4/4-L-5,0PUR	1695045	SACB-6/6-L-5,0PUR	1695100	SACB-8/8-L-5,0PUR	1695168
	10 m	SACB-4/4-L-10,0PUR	1695058	SACB-6/6-L-10,0PUR	1695113	SACB-8/8-L-10,0PUR	1695171
With LED Double-occupancy	5 m	SACB-4/8-L-5,0PUR	1695074	SACB-6/12-L-5,0PUR	1695139	SACB-8/16-L-5,0PUR	1695197
	10 m	SACB-4/8-L-10,0PUR	1695087	SACB-6/12-L-10,0PUR	1695142	SACB-8/16-L-10,0PUR	1695207

Without LED Single-occupancy Double-occupancy	SACB-4/4-SC	1681004	SACB-6/6-SC	1692019	SACB-8/8-SC	1692022
	SACB-4/8-SC	1692035	SACB-6/12-SC	1692048	SACB-8/16-SC	1692051
With LED Single-occupancy Double-occupancy	SACB-4/4-L-SC	1671224	SACB-6/6-L-SC	1671234	SACB-8/8-L-SC	1671247
	SACB-4/8-L-SC	1680568	SACB-6/12-L-SC	1680571	SACB-8/16-L-SC	1680584

Without LED Single-occupancy Double-occupancy	SACB-4/4-M23	1692792	SACB-6/6-M23	1692815	SACB-8/8-M23	1692831
	SACB-4/8-M23	1692802	SACB-6/12-M23	1692828	SACB-8/16-M23	1692844
With LED Single-occupancy Double-occupancy	SACB-4/4-L-M23	1692404	SACB-6/6-L-M23	1692420	SACB-8/8-L-M23	1692446
	SACB-4/8-L-M23	1692417	SACB-6/12-L-M23	1692433	SACB-8/16-L-M23	1692459

Without LED Single-occupancy Double-occupancy	SACB-4/4-M23 180	1692734	SACB-6/6-M23 180	1692750	SACB-8/8-M23 180	1692776
	SACB-4/8-M23 180	1692747	SACB-6/12-M23 180	1692763	SACB-8/16-M23 180	1692789
With LED Single-occupancy Double-occupancy	SACB-4/4-L-M23 180	1692679	SACB-6/6-L-M23 180	1692695	SACB-8/8-L-M23 180	1692718
	SACB-4/8-L-M23 180	1692682	SACB-6/12-L-M23 180	1692705	SACB-8/16-L-M23 180	1692721

Pluggable master cable connection 90°

	4 slots	6 slots	8 slots
			
Without LED			
Single-occupancy	SACB-4/4-C90 1695375	SACB-6/4-C90 1695391	SACB-8/8-C90 1695414
Double-occupancy	SACB-4/8-C90 1695388	SACB-6/12-C90 1695401	SACB-8/16-C90 1695427
With LED			
Single-occupancy	SACB-4/4-L-C90 1695317	SACB-6/4-L-C90 1695333	SACB-8/8-L-C90 1695359
Double-occupancy	SACB-4/8-L-C90 1695320	SACB-6/12-L-C90 1695346	SACB-8/16-L-C90 1695362

Pluggable master cable connection 180°

	4 slots	6 slots	8 slots
			
Without LED			
Single-occupancy	SACB-4/4-C 1692857	SACB-6/4-C 1692873	SACB-8/8-C 1692899
Double-occupancy	SACB-4/8-C 1692860	SACB-6/12-C 1692886	SACB-8/16-C 1692909
With LED			
Single-occupancy	SACB-4/4-L-C 1692349	SACB-6/4-L-C 1692365	SACB-8/8-L-C 1692381
Double-occupancy	SACB-4/8-L-C 1692352	SACB-6/12-L-C 1692378	SACB-8/16-L-C 1692394

Header and connector hood

			
Header, with LED			
Single-occupancy	SACB-4/4-L-C GG 1698110	SACB-6/6-L-C GG 1695676	SACB-8/8-L-C GG 1698178
Double-occupancy	SACB-4/8-L-C GG 1698136	SACB-6/12-L-C GG 1698152	SACB-8/16-L-C GG 1698194
Connector hood, Single-occupancy			
5 m	SACB-C-H180-4/4-5,0PUR 1503014	SACB-C-H180-6/6-5,0PUR 1503030	SACB-C-H180-8/8-5,0PUR 1503056
10 m	SACB-C-H180-4/4-10,0PUR 1503027	SACB-C-H180-6/6-10,0PUR 1503043	SACB-C-H180-8/8-10,0PUR 1503069
Connector hood, Double-occupancy			
5 m	SACB-C-H180-4/8-5,0PUR 1503072	SACB-C-H180-6/12-5,0PUR 1503098	SACB-C-H180-8/16-5,0PUR 1503111
10 m	SACB-C-H180-4/8-10,0PUR 1503085	SACB-C-H180-6/12-10,0PUR 1503108	SACB-C-H180-8/16-10,0PUR 1503124

► SACB with M8 slots

Assignment:	Master cable	M12/M16 connection		Pluggable master cable connection
		M12	M16	
M8 slot/pos. (potential)	Wire color	Plug connection		Terminal point
1 / 4 (A)	WH	P	P	1 / 4
2 / 4 (A)	GN	J	J	2 / 4
3 / 4 (A)	YE	T	T	3 / 4
4 / 4 (A)	GY	S	S	4 / 4
5 / 4 (A)	PK	G	G	5 / 4
6 / 4 (A)	RD	R	R	6 / 4
7 / 4 (A)	BK	-	E	7 / 4
8 / 4 (A)	VT	-	O	8 / 4
9 / 4 (A)	WH/PK	-	C	9 / 4
10 / 4 (A)	PK/BN	-	P	10 / 4
1-10 / 1 (+24 V)	BN	A	A+M	U _N
1-10 / 3 (0 V)	UR	L	L+U	0 V

M8 slot
Female, 3-pos.



M12 plug connection
Male, 8-pos.



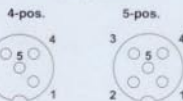
M16 plug connection
Male, 14-pos.



► SACB with SPEEDCON / M12 slots

Assignment:	Master cable	M23 connection		Pluggable master cable connection	Spring-cage connection
		12-pos.	19-pos.		
M12 slot/pos. (potential)	Wire color	Plug connection		Terminal point	Terminal point
1 / 4 (A)	WH	1	15	1 / 4	1 / 4
1 / 2 (B)	GY/PK		7	1 / 2	1 / 2
2 / 4 (A)	GN	2	5	2 / 4	2 / 4
2 / 2 (B)	RD/BU		4	2 / 2	2 / 2
3 / 4 (A)	YE	3	16	3 / 4	3 / 4
3 / 2 (B)	WH/GN		8	3 / 2	3 / 2
4 / 4 (A)	GY	4	3	4 / 4	4 / 4
4 / 2 (B)	BN/GN		14	4 / 2	4 / 2
5 / 4 (A)	PK	5	17	5 / 4	5 / 4
5 / 2 (B)	WH/YE		9	5 / 2	5 / 2
6 / 4 (A)	RD	6	2	6 / 4	6 / 4
6 / 2 (B)	YE/BN		13	6 / 2	6 / 2
7 / 4 (A)	BK	7	11	7 / 4	7 / 4
7 / 2 (B)	WH/GY		10	7 / 2	7 / 2
8 / 4 (A)	VT	8	1	8 / 4	8 / 4
8 / 2 (B)	GY/BN		18	8 / 2	8 / 2
1-8 / 1 (+24 V / 120 V)	BN	11	19	U _N	U _N
1-8 / 3 (0 V)	UR	9+10	6	0 V	0 V
1-8 / 5 (PE)	GN/YE	12	12	PE	PE

M12 slot, female



M23 plug connection
Male, 12-pos.



M23 plug connection
Male, 19-pos.



► SACB with QUICKON connection

Assignment:	Master cable	Spring-cage connection
QUICKON slot/contact	Wire color	Terminal point
1 / 4 (A)	WH	1 / 4
2 / 4 (A)	GN	2 / 4
3 / 4 (A)	YE	3 / 4
4 / 4 (A)	GY	4 / 4
5 / 4 (A)	PK	5 / 4
6 / 4 (A)	RD	6 / 4
7 / 4 (A)	BK	7 / 4
8 / 4 (A)	VT	8 / 4
1-8 / 1 (+24 V / 120 V)	BN	U _N
1-8 / 3 (0 V)	UR	0 V
1-8 / 5 (PE)	GN/YE	PE

QUICKON connection
4-pos.

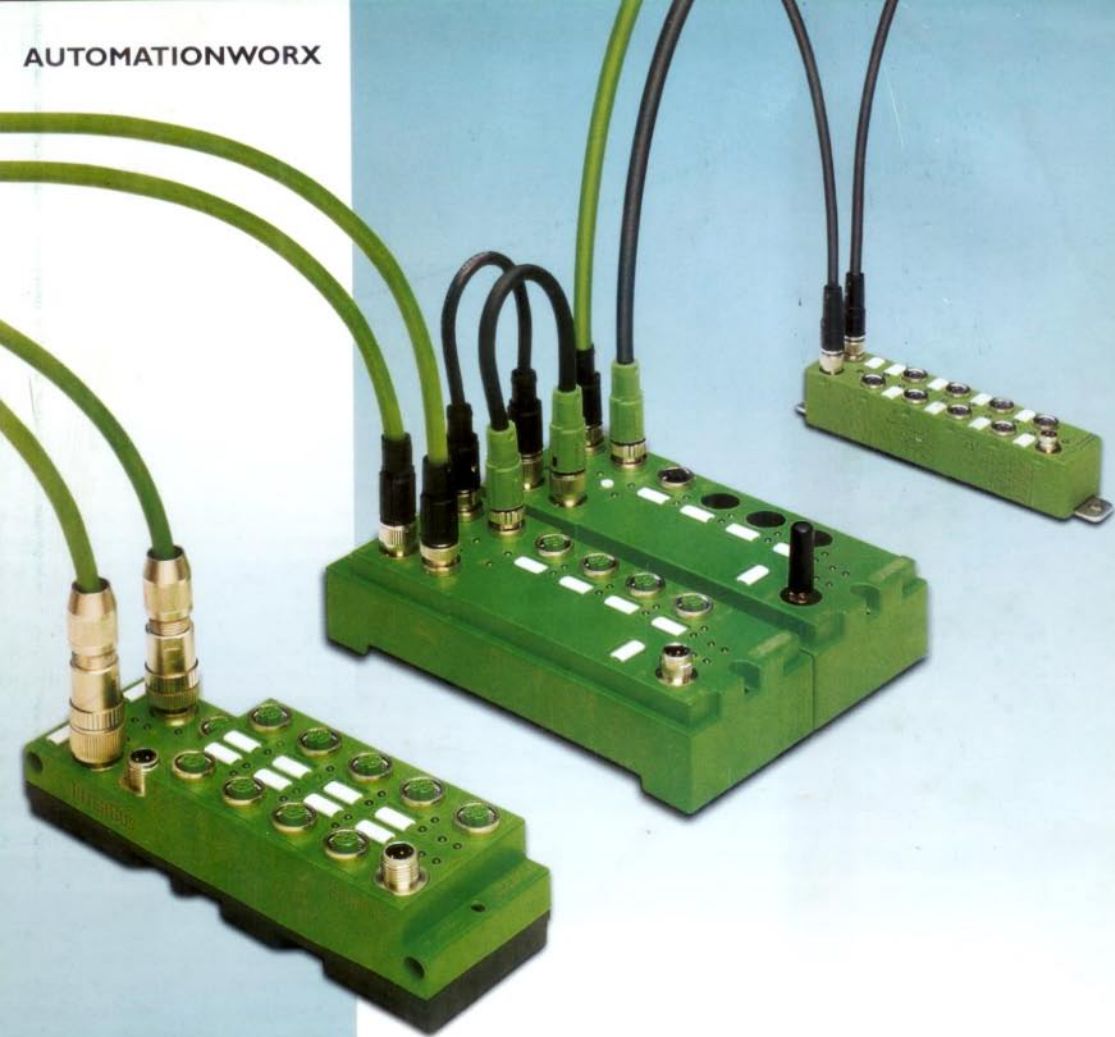


1 +24 V/120 V
3 0 V
4 Input/Output A
5 PE

► Technical data

SACB with ...	M8 slots	SPEEDCON / M12 slots	QUICKON connection
Nominal voltage, without / with LED	[V AC] / [V DC]	120 / 24	- / 24
Perm. operating voltage, without / with LED	[V AC] / [V DC]	135 / 30	- / 30
Current carrying capacity per channel	[A]	2	2
Current carrying capacity per slot	[A]	2	4
SACB total current	[A]	12	12
No. of positions per slot (single / double occupancy)	3 / -	4 / 5	4 / -
Degree of protection (IEC 60 529 / EN 60 529 / DIN VDE 0470-1)	IP65/IP67	IP65/IP67	IP65/IP67
Inflammability class in acc. with UL 94	V0	V0	V0
Ambient temperature	[°C]	-25 to +75	-25 to 60
Ambient temperature, master cable			
Fixed / flexible installation	[°C]	-25 to +90 / -5 to +70	-30 to +90 / -5 to +70

AUTOMATIONWORX



Fieldline

Easy field installation

Fieldline cable M12

Bus cables

Voltage supply cables



B-coding, shielded, 5-position
flexible applications, PUR, color: Green



B-coding, shielded, 2-position
flexible applications, PUR, color: Violet



A-coding, shielded, 5-position,
flexible applications, PUR, color: Violet

A-coding, unshielded, 0.75 mm², PUR
SAC: 4-pos.
SCO: 5-pos.

	Length [m]	SAC M12		PROFI BUS		DeviceNet CANopen		Voltage supply cables	
		Order No.	Designation	Order No.	Designation	Order No.	Designation	Order No.	Designation
 M12 male, straight, open conductor end	2	1507065	SAC-5P-M12MSB/2,0-900	1507243	SAC-2P-M12MSB/2,0-910	1507421	SAC-5P-M12MS/2,0-920	1509445	SAC-4P-M12MS/2,0-186
	5	1507078	SAC-5P-M12MSB/5,0-900	1507256	SAC-2P-M12MSB/5,0-910	1507434	SAC-5P-M12MS/5,0-920	1509458	SAC-4P-M12MS/5,0-186
	10	1507081	SAC-5P-M12MSB/10,0-900	1507269	SAC-2P-M12MSB/10,0-910	1507447	SAC-5P-M12MS/10,0-920	1509461	SAC-4P-M12MS/10,0-186
	15	1507094	SAC-5P-M12MSB/15,0-900	1507272	SAC-2P-M12MSB/15,0-910	1507450	SAC-5P-M12MS/15,0-920	1509474	SAC-4P-M12MS/15,0-186
 M12 female, straight, open conductor end	2	1507117	SAC-5P-2,0-900/M12FSB	1507298	SAC-2P-2,0-910/M12FSB	1507476	SAC-5P-2,0-920/M12FS	1509487	SAC-4P-2,0-186/M12FS
	5	1507120	SAC-5P-5,0-900/M12FSB	1507308	SAC-2P-5,0-910/M12FSB	1507489	SAC-5P-5,0-920/M12FS	1509490	SAC-4P-5,0-186/M12FS
	10	1507133	SAC-5P-10,0-900/M12FSB	1507311	SAC-2P-10,0-910/M12FSB	1507492	SAC-5P-10,0-920/M12FS	1509500	SAC-4P-10,0-186/M12FS
	15	1507146	SAC-5P-15,0-900/M12FSB	1507324	SAC-2P-15,0-910/M12FSB	1507502	SAC-5P-15,0-920/M12FS	1509513	SAC-4P-15,0-186/M12FS
 M12 female, straight, M12 male, straight	0.3	1507162	SAC-5P-M12MSB/0,3-900/M12FSB	1507340	SAC-2P-M12MSB/0,3-910/M12FSB	1507528	SAC-5P-M12MS/0,3-920/M12FS	1509526	SAC-4P-M12MS/0,3-186/M12FS
	0.5	1507175	SAC-5P-M12MSB/0,5-900/M12FSB	1507353	SAC-2P-M12MSB/0,5-910/M12FSB	1507531	SAC-5P-M12MS/0,5-920/M12FS	1509539	SAC-4P-M12MS/0,5-186/M12FS
	1	1507188	SAC-5P-M12MSB/1,0-900/M12FSB	1507366	SAC-2P-M12MSB/1,0-910/M12FSB	1507544	SAC-5P-M12MS/1,0-920/M12FS	1509542	SAC-4P-M12MS/1,0-186/M12FS
	2	1507191	SAC-5P-M12MSB/2,0-900/M12FSB	1507379	SAC-2P-M12MSB/2,0-910/M12FSB	1507557	SAC-5P-M12MS/2,0-920/M12FS	1509555	SAC-4P-M12MS/2,0-186/M12FS
	5	1507201	SAC-5P-M12MSB/5,0-900/M12FSB	1507382	SAC-2P-M12MSB/5,0-910/M12FSB	1507560	SAC-5P-M12MS/5,0-920/M12FS	1509568	SAC-4P-M12MS/5,0-186/M12FS
	10	1507214	SAC-5P-M12MSB/10,0-900/M12FSB	1507395	SAC-2P-M12MSB/10,0-910/M12FSB	1507573	SAC-5P-M12MS/10,0-920/M12FS	1509571	SAC-4P-M12MS/10,0-186/M12FS
Cable off the reel	By the meter	2723123	IBS RBC METER/F-T	1511491	SAC-2P-910/...	1511504	SAC-5P-920/...	1511679	SAC-4P-186/0,75/...




	Length [m]	SAC M12		PROFI BUS		DeviceNet CANopen		Voltage supply cables	
		Order No.	Designation	Order No.	Designation	Order No.	Designation	Order No.	Designation
 M12 male, straight, open conductor end	2	1517877	SAC-5P-MSB/2,0-900 SCO	1518025	SAC-2P-M12MSB/2,0-910 SCO	1518177	SAC-5P-MS/2,0-920 SCO	1518326	SAC-5P-MS/2,0-186 SCO
	5	1517880	SAC-5P-MSB/5,0-900 SCO	1518038	SAC-2P-M12MSB/5,0-910 SCO	1518180	SAC-5P-MS/5,0-920 SCO	1518339	SAC-5P-MS/5,0-186 SCO
	10	1517893	SAC-5P-MSB/10,0-900 SCO	1518041	SAC-2P-M12MSB/10,0-910 SCO	1518193	SAC-5P-MS/10,0-920 SCO	1518342	SAC-5P-MS/10,0-186 SCO
	15	1517903	SAC-5P-MSB/15,0-900 SCO	1518054	SAC-2P-M12MSB/15,0-910 SCO	1518203	SAC-5P-MS/15,0-920 SCO	1518355	SAC-5P-MS/15,0-186 SCO
 M12 female, straight, open conductor end	2	1517916	SAC-5P-2,0-900/FSB SCO	1518067	SAC-2P-2,0-910/FSB SCO	1518216	SAC-5P-2,0-920/FS SCO	1518368	SAC-5P-2,0-186/FS SCO
	5	1517929	SAC-5P-5,0-900/FSB SCO	1518070	SAC-2P-5,0-910/FSB SCO	1518229	SAC-5P-5,0-920/FS SCO	1518371	SAC-5P-5,0-186/FS SCO
	10	1517932	SAC-5P-10,0-900/FSB SCO	1518083	SAC-2P-10,0-910/FSB SCO	1518232	SAC-5P-10,0-920/FS SCO	1518384	SAC-5P-10,0-186/FS SCO
	15	1517945	SAC-5P-15,0-900/FSB SCO	1518096	SAC-2P-15,0-910/FSB SCO	1518245	SAC-5P-15,0-920/FS SCO	1518397	SAC-5P-15,0-186/FS SCO
 M12 female, straight, M12 male, straight	0.3	1517958	SAC-5P-MSB/0,3-900/FSB SCO	1518106	SAC-2P-M12MSB/0,3-910/FSB SCO	1518258	SAC-5P-MS/0,3-920/FS SCO	1518407	SAC-5P-MS/0,3-186/FS SCO
	0.5	1517961	SAC-5P-MSB/0,5-900/FSB SCO	1518119	SAC-2P-M12MSB/0,5-910/FSB SCO	1518261	SAC-5P-MS/0,5-920/FS SCO	1518410	SAC-5P-MS/0,5-186/FS SCO
	1	1517974	SAC-5P-MSB/1,0-900/FSB SCO	1518122	SAC-2P-M12MSB/1,0-910/FSB SCO	1518274	SAC-5P-MS/1,0-920/FS SCO	1518423	SAC-5P-MS/1,0-186/FS SCO
	2	1517987	SAC-5P-MSB/2,0-900/FSB SCO	1518135	SAC-2P-M12MSB/2,0-910/FSB SCO	1518287	SAC-5P-MS/2,0-920/FS SCO	1518436	SAC-5P-MS/2,0-186/FS SCO
	5	1517990	SAC-5P-MSB/5,0-900/FSB SCO	1518148	SAC-2P-M12MSB/5,0-910/FSB SCO	1518290	SAC-5P-MS/5,0-920/FS SCO	1518449	SAC-5P-MS/5,0-186/FS SCO
	10	1518009	SAC-5P-MSB/10,0-900/FSB SCO	1518151	SAC-2P-M12MSB/10,0-910/FSB SCO	1518300	SAC-5P-MS/10,0-920/FS SCO	1518452	SAC-5P-MS/10,0-186/FS SCO
Cable off the reel	By the meter	2723123	IBS RBC METER/F-T	1511491	SAC-2P-910/...	1511504	SAC-5P-920/...	1518465	SAC-5P-MS/15,0-186/FS SCO

	Length [m]	Order No.	Designation					Order No.	Designation
 Bridge conductor	0.13	1518478	SAC-5P-MSB/0,13-PUR/FSB SCO SH					1518481	SAC-5P-MS/0,13-186/FS SCO

Note:

If longer local bus cables are required, these can be put together from the INTERBUS bus cables.

Fieldline cable M8

System cable				Voltage supply cables	
	Length [m]	Order No.	Designation	Order No.	Designation
	2	1543249	SAC-4P-M 8MS/2,0-950		
	5	1543252	SAC-4P-M 8MS/5,0-950		
	10	1543265	SAC-4P-M 8MS/10,0-950		
	15	1543278	SAC-4P-M 8MS/15,0-950		
	20	1543281	SAC-4P-M 8MS/20,0-950		
	2	1543294	SAC-4P-2,0-950/M 8FS	1543582	SAC-4P-2,0-PUR/M 8FS 0,34
	5	1543304	SAC-4P-5,0-950/M 8FS	1534818	SAC-4P-5,0-PUR/M 8FS 0,34
	10	1543317	SAC-4P-10,0-950/M 8FS	1543595	SAC-4P-10,0-PUR/M 8FS 0,34
	15	1543320	SAC-4P-15,0-950/M 8FS	1543605	SAC-4P-15,0-PUR/M 8FS 0,34
	20	1543333	SAC-4P-20,0-950/M 8FS	1543618	SAC-4P-20,0-PUR/M 8FS 0,34
	0.13	1543346	SAC-4P-M 8MS/0,13-950/M 8FS		
	0.3	1543511	SAC-4P-M 8MS/0,3-950/M 8FS		
	0.5	1543524	SAC-4P-M 8MS/0,5-950/M 8FS		
	1	1543537	SAC-4P-M 8MS/1,0-950/M 8FS		
	2	1543359	SAC-4P-M 8MS/2,0-950/M 8FS		
	5	1543362	SAC-4P-M 8MS/5,0-950/M 8FS		
	10	1543375	SAC-4P-M 8MS/10,0-950/M 8FS		
	15	1543388	SAC-4P-M 8MS/15,0-950/M 8FS		
	20	1543391	SAC-4P-M 8MS/20,0-950/M 8FS		
Cable off the reel	By the meter	1543401	SAC-4P-950/...	1697771	SAC-4P-M 8FS/...

Note:

The M8 system cables transmit bus signals and the supply within the Fieldline Modular M8 system. The voltage supply cables supply the actuators separately.

Fieldline accessories

				
Type Order No. PROT-M8 1682540	SAC-M12T/2xM12 CAN 1507793	ZBF 12:UNBEDRUCKT 0809735	FLM MP 5 2736660	SAC-4P-M12Y/2X0,3-PUR/M 1510722
Description Protection cap, for unused plug connectors, packing contents: 5 pcs.	T-piece CAN	Zack marker strip, flat, 12 mm wide, white, blank, packing contents: 10 pcs.	Fieldline Modular mounting plate for 5 devices	M12 Y connector, male, shielded, M12 A-coded onto straight, unshielded, M12 A-0.34 mm ²
				
Type Order No. PROT-M12-M 2736194	SAC-5P-M12MS PB TR 1507803	ZBF 12:SO/CMS... 0810038	FLM MP 7 2736673	SAC-3P-M12Y/2XM12P 1683455
Description Protection cap, for unused plug connectors, packing contents: 5 pcs.	Termination resistor Profibus	Zack marker strip, flat, 12 mm wide, white special marking	Fieldline Modular mounting plate for 7 devices	Y distributor / M12 connector with M12 socket, 3-pos. distrib
				
Type Order No. IBS IP PROT-IO 2759919	SAC-M12T/2xM12 PB DP 1507780	ZBF 6	SACB-HMB10-M4 1695469	
Description Protection cap, for unused sockets, packing contents: 5 pcs.	T-piece Profibus	Zack marker strip, flat, 6 mm wide, white, printed	Hammer nut, packing contents: 10 pcs.	
				
Type Order No. SAC-5P-M12MS CAN TR 1507816	ZBF 8			
Description Termination resistor CAN	Zack marker strip, flat, 8 mm wide, white, printed			

Plug connectors for free assembly

Shielded plug connectors

	M12 plug connectors with spring-cage connection		M8 plug connectors with screw connection
			
	Straight	Angled	Straight
Type Order No.	SACC-M12MS-5SC SH 1512555	SACC-M12MR-5SC SH 1512568	SACC-M8MS-4CON-M-0,34-SH 1542897
Description	Male, A-coded, 5-pos.	Male, A-coded, 5-pos.	Male, 4-pos.
Type Order No.	SACC-M12MSB-5SC SH 1513570	SACC-M12MRB-5SC SH 1513583	SACC-M8FS-4CON-M-0,34-SH 1542910
Description	Male, B-coded, 5-pos.	Male, B-coded, 5-pos.	Female, 4-pos.
Type Order No.	SACC-M12FS-5SC SH 1512571	SACC-M12FR-5SC SH 1512584	
Description	Female, A-coded, 5-pos.	Female, A-coded, 5-pos.	
Type Order No.	SACC-M12FSB-5SC SH 1513596	SACC-M12FRB-5SC SH 1513606	
Description	Female, B-coded, 5-pos.	Female, B-coded, 5-pos.	

Unshielded plug connectors

	M12 plug connectors with spring-cage connection	M12 plug connectors with Quickon connection system and SPEEDCON fast locking	M8 plug connectors with Piercecon connection
			
	Straight	Straight	Straight
Type Order No.	SACC-M12MS-4SC M 1513716	SACC-MS-4QO-0,34-M SCO 1521575	SACC-M 8MS-3PCON 1506752
Description	Male, 4-pos., A-coded	Male, 4-pos., cross section range 0.14 - 0.34 mm ²	Male, 3-pos.
Type Order No.	SACC-M12MS-5SC M 1508187	SACC-MS-4QO-0,75-M SCO 1521591	SACC-M 8FS-4PCON 1506781
Description	Male, 5-pos., A-coded	Male, 4-pos., cross section range 0.34 - 0.75 mm ²	Female, 4-pos.
Type Order No.	SACC-M12FS-4SC M 1513198	SACC-FS-4QO-0,34-M SCO 1521588	
Description	Female, 4-pos., A-coded	Female, 4-pos., cross section range 0.14 - 0.34 mm ²	
Type Order No.	SACC-M12FS-5SC M 1508200	SACC-FS-4QO-0,75-M SCO 1521601	
Description	Female, 5-pos., A-coded	Female, 4-pos., cross section range 0.34 - 0.75 mm ²	

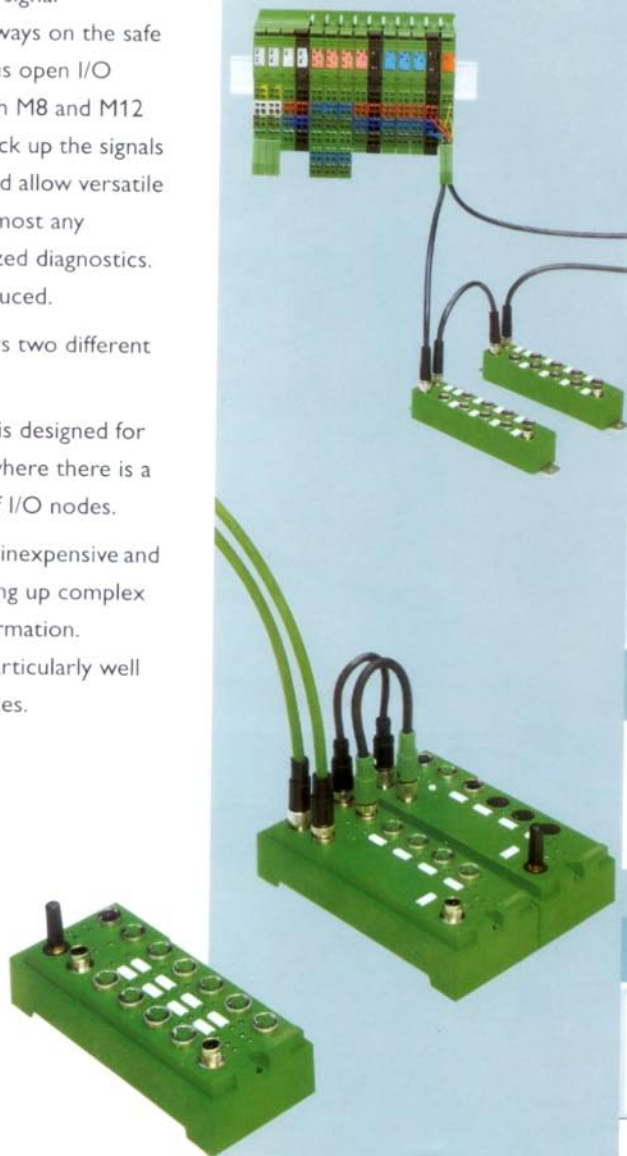
Fieldline – Easy installation directly in the field

Whether you opt for a cable, or for wireless – for distributed signal measurement, you are always on the safe side with Fieldline, the bus open I/O system. Components with M8 and M12 connection technology pick up the signals directly in the machine and allow versatile and simple coupling to almost any network, as well as localized diagnostics. Bus downtime is thus reduced.

The Fieldline system offers two different approaches:

Fieldline Stand-Alone is designed for measuring digital signals where there is a very low concentration of I/O nodes.







Fieldline Modular is the inexpensive and powerful answer for picking up complex digital and analog I/O information. Fieldline Modular M8 is particularly well suited for use in tight spaces.




Fieldline Modulir M12

Bus coupler

				
Bus system				Ethernet
Type	FLM BK IB M12 DI 8 M12	FLM BK PB M12 DI 8 M12	FLM BK DN M12 DI 8 M12	FLM BK ETH M12 DI 8 M12
Order No.	2736301	2736330	2736343	2736916
Description	8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/IP67 protection	8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/IP67 protection	8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection

Local bus devices	Digital input	Digital input and output	Digital output	Analog input	Analog output	
Channels	8	4/4	16/16	8	4	
						
Type	FLM DI 8 M12	FLM DIO 4/4 M12-2A	FLM DIO 16/16 M12/8-DIAG	FLM DO 8 M12	FLM AI 4 SF M12	FLM AO 4 SF M12
Order No.	2736288	2736369	2736738	2736291	2736453	2736466
Description	8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	4 digital inputs, 4 digital outputs, 24 V DC, 2 A, 2, 3-conductor connection, IP65/IP67 protection	16 digital inputs, 16 digital outputs, 24 V DC, 500 mA, 2, 3-cond. connection, 8-pos. M12 I/O connection, IP65/67 protection	8 digital outputs, 24 V DC, 500 mA, 2, 3-conductor connection, IP65/67 protection	4 analog inputs, can be parameterized, IP65/IP67 protection	4 analog outputs, can be parameterized, IP65/IP67 protection





Local bus and voltage supply cable

	Description	Order No.	Type
	Bridging cable for the voltage supply, A-coded, 5-pos., unshielded, length 13 cm	1518481	SAC-5P-MS/0,13-186/FS SCO
	Bridging cable for local bus, B-coded, 5-pos., shielded, length 13 cm	1518478	SAC-5P-MSB/0,13-PUR/FSB SCO SH





Note:

If longer local bus cables are needed, they can be put together from the INTERBUS bus cables documented on the reverse.

Fieldline Modular M8

	Digital input	Digital input and output	Accessories	
Channels	8	8/4		
				
Type Order No.	FLM DI 8 M8 2736929	FLM DIO 8/4 M8 2736945	FLM ADAP M12/M8 2736961	IB IL 24 FLM-PAC 2736903
Description	8 digital inputs, 24 V DC, 2, 3-conductor connection, IP65/67 protection	4 digital inputs, 4 digital inputs/outputs (can be selected), 24 V DC, 500 mA, 2, 3-conductor connection, IP65/67 protection	Adapter piece for coupling Fieldline Modular M8 local bus devices to a Fieldline Modular M12 local bus	Inline branch terminal for coupling a Fieldline Modular local bus
Type Order No.			IB IL 24 SEG/F-PAC 2861373	
Description			Inline segment terminal for segmenting the I/O voltage, with fuse	

Fieldline Modular Wireless IO

	Base station	Digital input and output	Accessories
Channels		8/8	
			
Type Order No.	FLM BT BS 3 2736770	FLM BT DIO 8/8 M12 2736767	FLM BT ID-PLUG M12 2736783
Description	Base station for up to three Wireless IO devices, IP65 protection	8 digital inputs, 8 digital outputs, 24 V DC, 500 mA, 2, 3-conductor connection, IP65 protection	M12 plug connector for configuring the Wireless IO modules (replacement, included with I/O module)
Type Order No.	FLM BT DIO 8/8 M12-P2P-SET 2737614		
Description	Fieldline Modular Wireless IO set Base station with a fixed pair Wireless IO device, 8 digital inputs, 8 digital outputs, 24 V DC, 500 mA, 2, 3-conductor connection, IP65 protection		

Digital input		Digital input and output		Digital output
8	16	4/4	8/8	8
				
FLS IB M12 DI 8 M12 2736013	FLS IB M12 DI 16 M12 2736314	FLS IB M12 DIO 4/4 M12-2A 2736026	FLS IB M12 DIO 8/8 M12 2736385	FLS IB M12 DO 8 M12-2A 2736039
8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	16 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	4 digital inputs, 24 V DC, 2, 3, 4-cond. connection, 4 digital outputs, 24 V DC, 2 A, 2, 3-conductor connection, IP65/IP67 protection	8 digital inputs, 24 V DC, 2, 3, 4-cond. connection, 8 digital outputs, 24 V DC, 500 mA, 2, 3-conductor connection, IP65/IP67 protection	8 digital outputs, 24 V DC, 2 A, 2, 3-conductor connection IP65/IP67 protection
FLS PB M12 DI 8 M12 2736123	FLS PB M12 DI 16 M12 2736220	FLS PB M12 DIO 4/4 M12-2A 2736107	FLS PB M12 DIO 8/8 M12 2736372	FLS PB M12 DO 8 M12-2A 2736110
8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	16 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	4 digital inputs, 24 V DC, 2, 3, 4-cond. connection, 4 digital outputs, 24 V DC, 2 A, 2, 3-conductor connection IP65/IP67 protection	8 digital inputs, 24 V DC, 2, 3, 4-cond. connection, 8 digital outputs, 24 V DC, 500 mA, 2, 3-conductor connection IP65/IP67 protection	8 digital outputs, 24 V DC, 2 A, 2, 3-conductor connection IP65/IP67 protection
FLS DN M12 DI 8 M12 2736068	FLS DN M12 DI 16 M12 2736327	FLS DN M12 DIO 4/4 M12-2A 2736042	FLS DN M12 DIO 8/8 M12 2736398	FLS DN M12 DO 8 M12-2A 2736055
8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	FLS DN M12 DI 16 M12-NPN 2736437	FLS DN M12 DIO 4/4 M12-2A-NPN 2736440	8 digital inputs, 24 V DC, 2, 3, 4-cond. connection, 8 digital outputs, 24 V DC, 500 mA, 2, 3-conductor connection IP65/IP67 protection	8 digital outputs, 24 V DC, 2 A, 2, 3-conductor connection IP65/IP67 protection
FLS CO M12 DI 8 M12 2736097	FLS CO M12 DI 16 M12 2736479	FLS CO M12 DIO 4/4 M12-2A 2736071	FLS CO M12 DIO 8/8 M12 2736482	FLS CO M12 DO 8 M12-2A 2736084
8 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	16 digital inputs, 24 V DC, 2, 3, 4-conductor connection, IP65/67 protection	4 digital inputs, 24 V DC, 2, 3, 4-cond. connection, 4 digital outputs, 24 V DC, 2 A, 2, 3-conductor connection IP65/IP67 protection	8 digital inputs, 24 V DC, 2, 3, 4-cond. connection, 8 digital outputs, 24 V DC, 500 mA, 2, 3-conductor connection IP65/IP67 protection	8 digital outputs, 24 V DC, 2 A, 2, 3-conductor connection IP65/IP67 protection

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