

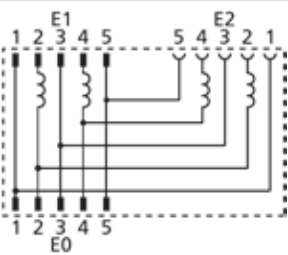
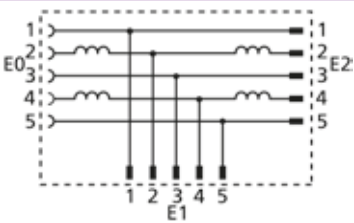
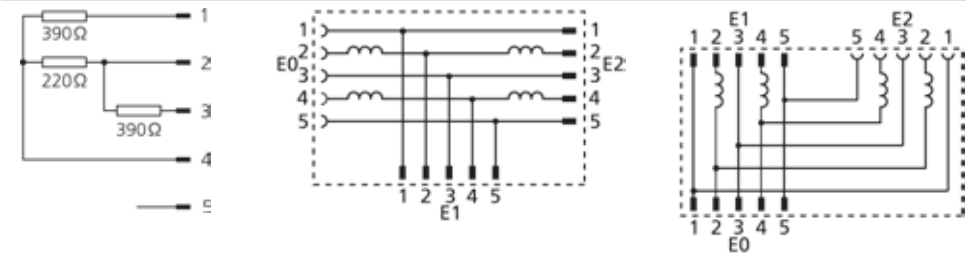
Nomenclature										Double-ended cordset							
PB-	W	WAK	S	W	2.012-	L	- PB-	W	WAS	S	W	2.012	16	/S1800	/S3525		
															Extra: e.g wall-thickness compensation or colored contact-carrier		
															Cable quality		
															Fastening thread with receptacles M16x1.5 or M12x1		
															Contacts.allocation code		
															B-coded		
															Shielded		
															WAS: M12 male		
															W: angled without: straight		
															Profibus		
															L: Cable length, Wire-length [m] P: Print contact with receptacles		
															Contacts.allocation code		
															B-coded		
															Shielded		
															WAK: M12 female WAS: M12 male FK: M12 female receptacle front-wall mounting FKF(D): M12 female receptacle back-wall mounting (adjustable)		
															W: angled without: straight		
Profibus																	



*not for field-wireable, PB-WFKFSW5

Cable	Material	UL	Color	Feature	drag chain-adapted
S1800	PUR/PE	✓	VT	PROFIBUS	✓

Termination plug (male)	T-splitter shielded	Y-splitter shielded
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Profibus

Technical data	Connector + Termination plug	Receptacles	T-, Y- splitter	Field-wireable
Insulation resistance	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$	$\geq 10^8 \Omega$
Resistance	$\leq 5 m\Omega$	$\leq 5 m\Omega$	$\leq 5 m\Omega$	$\leq 5 m\Omega$
Ambient temperature product	-30°C...+90°C	-30°C...+90°C (* +70°C)	-30°C...+90°C	-40°C...+85°C
Contact material	Metal, CuZn, gold-plated	Metal, gold-plated	Metal, gold-plated	Metal, gold-plated
Contact-carrier material	Plastic, TPU, BK	Plastic, TPU, VT	Plastic, TPU	Plastic, PA
Grip body material	Plastic, TPU, BK	Plastic, TPU	Plastic, TPU	Zinc die-cast, nickel-plated
Coupling nut material	Metal, CuZn, nickel-plated			Metal, nickel-plated
Sealing (female) material	FPM/FKM	FPM/FKM	FPM/FKM	FPM/FKM
Material of external sealing		NBR		
Receptacle housing material		Metal, CuZn, nickel-plated		
Standards	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Degree of protection (mounted)	IP65, IP67, IP68	IP65, IP67, IP68	IP65, IP67, IP68	IP67
Mechanical life-cycle	>100 mating cycles	>100 mating cycles	>100 mating cycles	>100 mating cycles
Degree of pollution	3	3	3	3
Connecting cross-section				max. 0,75mm²
Connecting type				Screw-/clamp contact

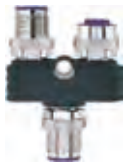
The connectors used in fieldbus technology have to meet bus-specific requirements. We have developed a product line which meets the requirements of the PROFIBUS/PROFINET user organization (PNO): 5-pins/B-coded connectors, receptacles, T-splitter and Y-splitter with 360°-shielding.

		Body				Cable				L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description	2m / 1m	5m / 2m	10m / 5m
	Single-ended cordset female, straight, M12 shielded	4, B	60V	4A		PUR	VT	•	PB-WAKSW2.012-L/S1800	8043866	8043868	8043869
	Single-ended cordset female, angled, M12 shielded	4, B	60V	4A		PUR	VT	•	PB-WWAKSW2.012-L/S1800	8043870	8043871	8043872
	Single-ended cordset male, straight, M12 shielded	4, B	60V	4A		PUR	VT	•	PB-WASSW2.012-L/S1800	8043873	8043874	8043875
	Single-ended cordset male, angled, M12 shielded	4, B	60V	4A		PUR	VT	•	PB-WWASSW2.012-L/S1800	8043876	8043877	8043878
	Receptacle Single-ended cordset female, straight, M12 shielded Cable Front wall-mounting	5, B	60V	4A		PUR	VT	•	PB-FKSW2.012-L/16/S1800/S3941	8063621	8063622	8063623
	Receptacle Single-ended cordset female, straight, M12 shielded Cable Back wall-mounting	5, B	60V	4A		PUR	VT	•	PB-FKFDSW2.012-L/16/S1800	8061882	8063617	8063618
	Receptacle Single-ended cordset female, angled, M12 shielded Cable Back wall-mounting	5, B	60V	4A		PUR	VT	•	PB-WFKFDSW2.012-L/16/S1800	8061881	8063619	8063620
	Receptacle female, angled, M12 shielded Print contact Back wall-mounting	5, B	60V	4A	1,0...2,5				PB-WFKFSW5-P/12/S3525	8050279		
				4A	2,5...4,0				PB-WFKFSW5-P/12/S3540	8050280		
				4A	4,0...5,0				PB-WFKFSW5-P/12/S3550	8050281		
	Receptacle female, straight, M12 Wire contact Back wall-mounting	5, B	60V	4A					PB-FHM12KUB2.012-0,5/M16	8072599		
	Receptacle female, straight, M12 Print contact Back wall-mounting	5, B	60V	4A				•	PB-FHM12KUB5-P/M16	8072611		
	Receptacle male, straight, M12 Wire contact Back wall-mounting	5, B	60V	4A					PB-FHM12SUB2.012-0,5/M16	8072633		

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

		Body				Cable				L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description	2m / 1m	5m / 2m	10m / 5m
	Receptacle male, straight, M12 Print contact Back wall-mounting	5, B	60V	4A				•	PB-FHM12SUB5-P/M16	8072640		
	Receptacle female, straight, M12 Wire contact Front wall-mounting	5, B	60V	4A					PB-FVM12KUB2.012-0,5/M16	8072602		
	Receptacle male, straight, M12 Wire contact Front wall-mounting	5, B	60V	4A					PB-FVM12SUB2.012-0,5/M16	8072634		
	Receptacle male, angled, M12 shielded Print contact Back wall-mounting	5, B	60V	4A					PB-WFSFSW5-P/12	8045658		
	Receptacle female, straight, M12 Wire contact Front wall-mounting, positionable	5, B	60V	4A					PB-FVM12KUB2.012-0,5/M16/S520	8077910		
	Receptacle male, straight, M12 Wire contact Front wall-mounting, positionable	5, B	60V	4A					PB-FVM12SUB2.012-0,5/M16/S520	8077971		
	Double-ended cordset female, straight, M12 male, straight, M12 shielded	4, B	60V	4A		PUR	VT	•	PB-WAKSW2.012-L-PB-WASSW2.012/S1800	8045613	8043867	8043879
		4, B										
	Double-ended cordset female, straight, M12 male, angled, M12 shielded	4, B	60V	4A		PUR	VT	•	PB-WAKSW2.012-L-PB-WWASSW2.012/S1800	8051935	8043884	8043885
		4, B										
	Double-ended cordset female, angled, M12 male, straight, M12 shielded	4, B	60V	4A		PUR	VT	•	PB-WWAKSW2.012-L-PB-WASSW2.012/S1800	8046479	8043881	8043882
		4, B										

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

		Body				Cable				L = cable length*		
		Pins	U[max]	I[max]	Δh[mm]	Material	Color	UL	Item description	2m / 1m	5m / 2m	10m / 5m
	Double-ended cordset female, angled, M12 male, angled, M12 shielded	4, B 4, B	60V	4A		PUR	VT	•	PB-WWAKSW2.012-L-PB-WWASSW2.012/S1800	8051936	8043887	8043888
	Field-wireable connector female, straight, M12 shielded Screw-/clamp contact	5, B	125V	4A					PB-WAKCSW4.5K	8031376		
	Field-wireable connector female, angled, M12 shielded Screw-/clamp contact	5, B	125V	4A					PB-WWAKCSW4.5K	8040235		
	Field-wireable connector male, straight, M12 shielded Screw-/clamp contact	5, B	125V	4A					PB-WASCSW4.5K	8031375		
	Field-wireable connector male, angled, M12 shielded Screw-/clamp contact	5, B	125V	4A					PB-WWASCSW4.5K	8040236		
	Termination plugs male, straight, M12	5, B	60V	4A				•	PB-WASSW4.5-AS	8043520		
	T-splitter shielded	5 5	60V	0.4A					PB-T-WAKSW5-WASSW5-WASSW5	8057719		
	Y-splitter shielded	5 5	60V	0.4A					PB-Y-WASSW5-WASSW5-WAKSW5	8057724		

* Standard cable-lengths for single-ended cordset: 2m, 5m, or 10m. For double-ended cordset: 1m, 2m, or 5m. Wire length for receptacles: 0.5m (0.2m for POWER). Other cable- and wire lengths are available upon request.

