



NAFTA Powertrain

Electric Components Project Book

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Revision Date	Version No.	Document Name	Revision	Paragraph Affected	Revised By
4/25/07	3	Electric Components Project Book	Added Cube67 Profinet BusNode Added D-Coded M12 to RJ45 Adapter Added MVP12 Passive Distribution Boxes - Rugged with Molded Cable Added MVP12 Passive Distribution Boxes - Rugged with Pluggable Connection Cap Added MVP12 Connection Cap with and without Pre-Wired Cable Added Modlink Switch Cabinet Coupling - RJ45, M12, 7/8" Added MTL- Universal Single Phase Transformer Added MTPS- Universal Transformer Power Supply	Cube67 Bus Node Section Field Bus Wireable Connectors, Adapters, and I/O Block Accessories Section Passive Distribution Box Section Modlink MSDD Panel Interface Units Section Power Supplies, Transformers, and Power Monitoring Section	R. Meeks
7/26/07	3		Update contact addresses Germany, Spain, Japan Added M12-M12 connector with cable type 862 (AWG18)	Contact Information Cordsets Section	C. Schlichenmaier
11/19/07	4		Changed DCX to Chrysler's name Updated contact addresses File size reduced (<10MB) Removed M12 cordsets AWG22 Added: M12 cordsets AWG18 MVK Metal Profibus and Profinet MVK Metal Safety and Analog Cube67/Cube20 modules AS-interface accessories New power monit. MICO MSDD Modlink GFCI	Cordsets Section MVK Metal Section Cube67 Section AS-Interface Section Power Monit. Section MSDD Modlink Section	M. Silva
10/29/08	5		Updated contact addresses Switched to database Added: IMPACT67, CUBE20 Profibus and Accessories, ProfiNet cordset, M12 cordset with LED , T-coupler with LED, MICO2.X, EMC Appendix, Technical Appendix Removed: MVK-P Plastic housing, AS-I Accessories, M12 Passive Standard	Impact67 Cube20 Section Cordsets Section Power Monit. Section MVK Section AS-Interface Section Passive Distribution Box	M.Fick
4/21/09	5.5		No Changes	-	
11/3/09	6		No Changes	-	
11/27/10	6.5		No Changes	-	
5/20/11	7		Updated contact addresses & services ADDED: • Impact67 ProfiNet • Cube 20 ProfiNet • Cube67+ • M12/D-Sub Profibus Adapter • New Cable type 234 AWG22 REMOVED: • Cube M16 Module and Cable • MVP-Metal Diagnoses • M12/RJ45 Adapter • M12 Connectors Profibus field wireable • 332820 M12 Special Cordset for Analog sensors	Impact67 Cube20 Section Cube67 Section Fieldbus Modules Cordsets Section Passive Distribution Box Section Fieldbus Cordsets Section Relay section	
11/09/2011	7.5		Update to Rev 7.5 Updated all Sensor / Actuator cables to NFPA79	Cordsets Section	
8/05/2012	8		Update contact person - USA		
06/12/2012	9		New cordsets: 7000-12221, 7000-12341 New Power Supply: 85000, 85001, 85002, 85004	Cordsets Section Power Supplies	
06/01/2013	9.5		New cordsets: 7000-17041, 7000-17061, 7000-17121, 7000-17141, 7000-48001, 7000-48041, MURP-10FPX, MURP-10MFPX	Cordsets Section	
12/01/13	10		Added Emparro Power Supplies, MVK Safety, M12 to M8 Cordsets, Modlink Frame and Inserts	MVK Section Power Supplies Cordsets Section Modlink Section	
7/1/14	10.5		Added MVK Metal FSU	MVK Section	
1/1/15	11		Reformatting of Book Addition of TPE Cables	All Sections Cordsets Section	S. Davis
7/1/15	11.5		Reformatting of Book	All Sections	
1/1/16	12		Addition of TPE Fieldbus Cables	Fieldbus Section	
7/1/16	12.5	Addition of Cube, Impact, MVK and Emparro models	Fieldbus Section Power Supplies Section		
1/1/17	13	Addition of TPE Ethernet/IP cables	Cordsets Section		
7/1/17	13.5	Removed all Cube products, Impact/MVK ProfiBus modules	Impact67 Cube20 Section Cube67 Section Fieldbus Modules Cordsets Section		

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MVK COMPACT I/O MODULES


Article Number	Product Description
55099	MVK-ME DIO8 (DIO8) EthernetIP Compact module, metal
55287	MVK ProfiNet Compact module, metal, DI8, DI8, M12, D-coded
55289	MVK-MPNIO PROFINET Metal Input/Output module, 8 DI/DO + 8 x diagnostic/ DI/DO with 8 x digital M12 Connectors PIN4: 8 x Digital Inputs/Outputs 1.6A with LED PIN2: 8 x Digital Inputs/Outputs 1.6A/Diagnostic with LED
55339	MVK MPNIO DI8 DO8 FSU, 2A Outputs

MVK METAL SAFETY I/O MODULES

Article Number	Product Description
55556	MVK-MPNIO F DI16/8 7/8" IRT MVK ProfiNet/PROFIsafe Compact module, metal
55557	MVK-MPNIO F DI8/4 F DO4 7/8" IRT MVK ProfiNet/PROFIsafe Compact module, metal

PROFINET AND ETHERNET/IP CORDSETS

Male Straight to Male Straight				
Poles	Jacket Color	Cable Type	Length	Article Number
	Green	PUR	.15m	7000-44511-7960015
			.3m	7000-44511-7960030
			.6m	7000-44511-7960060
			1m	7000-44511-7960100
			1.5m	7000-44511-7960150
			2m	7000-44511-7960200
			3m	7000-44511-7960300
			5m	7000-44511-7960500
			7.5m	7000-44511-7960750
			10m	7000-44511-7961000
	Teal	TPE	.15m	7700-44511-S4U0015
			.3m	7700-44511-S4U0030
			.6m	7700-44511-S4U0060
			1m	7700-44511-S4U0100
			1.5m	7700-44511-S4U0150
			2m	7700-44511-S4U0200
			3m	7700-44511-S4U0300
			5m	7700-44511-S4U0500
			7.5m	7700-44511-S4U0750
			10m	7700-44511-S4U1000
	Green	TPE ITC/PLTC	.15m	7700-44511-S7V0015
			.3m	7700-44511-S7V0030
			.6m	7700-44511-S7V0060
			1m	7700-44511-S7V0100
			1.5m	7700-44511-S7V0150
			2m	7700-44511-S7V0200
			3m	7700-44511-S7V0300
			5m	7700-44511-S7V0500
			7.5m	7700-44511-S7V0750
			10m	7700-44511-S7V1000

M12 Male Straight to RJ45				
Poles	Jacket Color	Cable Type	Length	Article Number
	Green	PUR	.15m	7000-44711-7960015
			.3m	7000-44711-7960030
			.6m	7000-44711-7960060
			1m	7000-44711-7960100
			1.5m	7000-44711-7960150
			2m	7000-44711-7960200
			3m	7000-44711-7960300
			5m	7000-44711-7960500
			7.5m	7000-44711-7960750
			10m	7000-44711-7961000
	Teal	TPE	.15m	7700-44711-S4U0015
			.3m	7700-44711-S4U0030
			.6m	7700-44711-S4U0060
			1m	7700-44711-S4U0100
			1.5m	7700-44711-S4U0150
			2m	7700-44711-S4U0200
			3m	7700-44711-S4U0300
			5m	7700-44711-S4U0500
			7.5m	7700-44711-S4U0750
			10m	7700-44711-S4U1000
	Green	TPE ITC/PLTC	.15m	7700-44711-S7V0015
			.3m	7700-44711-S7V0030
			.6m	7700-44711-S7V0060
			1m	7700-44711-S7V0100
			1.5m	7700-44711-S7V0150
			2m	7700-44711-S7V0200
			3m	7700-44711-S7V0300
			5m	7700-44711-S7V0500
			7.5m	7700-44711-S7V0750
			10m	7700-44711-S7V1000

FIELD BUS POWER CABLE



Mini-A (7/8") Male Straight (External Thread) Open Ended				
Poles	Jacket Color	Cable Type	Length	Article Number
5	Yellow	TPE TC-ER FT4	1.5m	7700-A5001-U1D0150
			3m	7700-A5001-U1D0300
			5m	7700-A5001-U1D0500
			7.5m	7700-A5001-U1D0750
			10m	7700-A5001-U1D1000
4			1.5m	7700-A4001-U1C0150
			3m	7700-A4001-U1C0300
			5m	7700-A4001-U1C0500
			7.5m	7700-A4001-U1C0750
			10m	7700-A4001-U1C1000
3			1.5m	7700-A3001-U1B0150
			3m	7700-A3001-U1B0300
			5m	7700-A3001-U1B0500
			7.5m	7700-A3001-U1B0750
			10m	7700-A3001-U1B1000



Mini-A (7/8") Male 90° (External Thread) Open Ended				
Poles	Jacket Color	Cable Type	Length	Article Number
5	Yellow	TPE TC-ER FT4	1.5m	7700-A5011-U1D0150
			3m	7700-A5011-U1D0300
			5m	7700-A5011-U1D0500
			7.5m	7700-A5011-U1D0750
			10m	7700-A5011-U1D1000
4			1.5m	7700-A4011-U1C0150
			3m	7700-A4011-U1C0300
			5m	7700-A4011-U1C0500
			7.5m	7700-A4011-U1C0750
			10m	7700-A4011-U1C1000
3			1.5m	7700-A3011-U1B0150
			3m	7700-A3011-U1B0300
			5m	7700-A3011-U1B0500
			7.5m	7700-A3011-U1B0750
			10m	7700-A3011-U1B1000



Mini-A (7/8") Female Straight Open Ended								
Poles	Jacket Color	Cable Type	Length	Article Number				
5	Yellow	TPE TC-ER FT4	1.5m	7700-A5021-U1D0150				
			3m	7700-A5021-U1D0300				
			5m	7700-A5021-U1D0500				
			7.5m	7700-A5021-U1D0750				
			10m	7700-A5021-U1D1000				
4			Yellow	TPE TC-ER FT4	1.5m	7700-A4021-U1C0150		
					3m	7700-A4021-U1C0300		
					5m	7700-A4021-U1C0500		
					7.5m	7700-A4021-U1C0750		
					10m	7700-A4021-U1C1000		
3					Yellow	TPE TC-ER FT4	1.5m	7700-A3021-U1B0150
							3m	7700-A3021-U1B0300
							5m	7700-A3021-U1B0500
							7.5m	7700-A3021-U1B0750
							10m	7700-A3021-U1B1000



Mini-A (7/8") Female 90° Open Ended								
Poles	Jacket Color	Cable Type	Length	Article Number				
5	Yellow	TPE TC-ER FT4	1.5m	7700-A5031-U1D0150				
			3m	7700-A5031-U1D0300				
			5m	7700-A5031-U1D0500				
			7.5m	7700-A5031-U1D0750				
			10m	7700-A5031-U1D1000				
4			Yellow	TPE TC-ER FT4	1.5m	7700-A4031-U1C0150		
					3m	7700-A4031-U1C0300		
					5m	7700-A4031-U1C0500		
					7.5m	7700-A4031-U1C0750		
					10m	7700-A4031-U1C1000		
3					Yellow	TPE TC-ER FT4	1.5m	7700-A3031-U1B0150
							3m	7700-A3031-U1B0300
							5m	7700-A3031-U1B0500
							7.5m	7700-A3031-U1B0750
							10m	7700-A3031-U1B1000



Mini-A (7/8") Male Straight (External Thread) - Female Straight				
Poles	Jacket Color	Cable Type	Length	Article Number
5	Yellow	TPE TC-ER FT4	.3m	7700-A5A01-U1D0030
			.6m	7700-A5A01-U1D0060
			1m	7700-A5A01-U1D0100
			2m	7700-A5A01-U1D0200
			3m	7700-A5A01-U1D0300
			5m	7700-A5A01-U1D0500
			7.5m	7700-A5A01-U1D0750
			10m	7700-A5A01-U1D1000
4			.3m	7700-A4A01-U1C0030
			.6m	7700-A4A01-U1C0060
			1m	7700-A4A01-U1C0100
			2m	7700-A4A01-U1C0200
			3m	7700-A4A01-U1C0300
			5m	7700-A4A01-U1C0500
			7.5m	7700-A4A01-U1C0750
			10m	7700-A4A01-U1C1000
3			.3m	7700-A3A01-U1B0030
			.6m	7700-A3A01-U1B0060
			1m	7700-A3A01-U1B0100
			2m	7700-A3A01-U1B0200
			3m	7700-A3A01-U1B0300
			5m	7700-A3A01-U1B0500
			7.5m	7700-A3A01-U1B0750
			10m	7700-A3A01-U1B1000



Mini-A (7/8") Male 90° (External Thread) - Female Straight				
Poles	Jacket Color	Cable Type	Length	Article Number
5	Yellow	TPE TC-ER FT4	.3m	7700-A5A11-U1D0030
			.6m	7700-A5A11-U1D0060
			1m	7700-A5A11-U1D0100
			2m	7700-A5A11-U1D0200
			3m	7700-A5A11-U1D0300
			5m	7700-A5A11-U1D0500
			7.5m	7700-A5A11-U1D0750
			10m	7700-A5A11-U1D1000
			4	.3m
.6m				7700-A4A11-U1C0060
1m				7700-A4A11-U1C0100
2m				7700-A4A11-U1C0200
3m				7700-A4A11-U1C0300
5m				7700-A4A11-U1C0500
7.5m				7700-A4A11-U1C0750
10m				7700-A4A11-U1C1000
3				.3m
			.6m	7700-A3A11-U1B0060
			1m	7700-A3A11-U1B0100
			2m	7700-A3A11-U1B0200
			3m	7700-A3A11-U1B0300
			5m	7700-A3A11-U1B0500
			7.5m	7700-A3A11-U1B0750
			10m	7700-A3A11-U1B1000



Mini-A (7/8") Male Straight (External Thread) - Female 90°				
Poles	Jacket Color	Cable Type	Length	Article Number
5	Yellow	TPE TC-ER FT4	.3m	7700-A5A21-U1D0030
			.6m	7700-A5A21-U1D0060
			1m	7700-A5A21-U1D0100
			2m	7700-A5A21-U1D0200
			3m	7700-A5A21-U1D0300
			5m	7700-A5A21-U1D0500
			7.5m	7700-A5A21-U1D0750
			10m	7700-A5A21-U1D1000
4			.3m	7700-A4A21-U1C0030
			.6m	7700-A4A21-U1C0060
			1m	7700-A4A21-U1C0100
			2m	7700-A4A21-U1C0200
			3m	7700-A4A21-U1C0300
			5m	7700-A4A21-U1C0500
			7.5m	7700-A4A21-U1C0750
			10m	7700-A4A21-U1C1000
3			.3m	7700-A3A21-U1B0030
			.6m	7700-A3A21-U1B0060
			1m	7700-A3A21-U1B0100
			2m	7700-A3A21-U1B0200
			3m	7700-A3A21-U1B0300
			5m	7700-A3A21-U1B0500
			7.5m	7700-A3A21-U1B0750
			10m	7700-A3A21-U1B1000



Mini-A (7/8") Male 90° (External Thread) - Female 90°				
Poles	Jacket Color	Cable Type	Length	Article Number
5	Yellow	TPE TC-ER FT4	.3m	7700-A5A31-U1D0030
			.6m	7700-A5A31-U1D0060
			1m	7700-A5A31-U1D0100
			2m	7700-A5A31-U1D0200
			3m	7700-A5A31-U1D0300
			5m	7700-A5A31-U1D0500
			7.5m	7700-A5A31-U1D0750
			10m	7700-A5A31-U1D1000
4			.3m	7700-A4A31-U1C0030
			.6m	7700-A4A31-U1C0060
			1m	7700-A4A31-U1C0100
			2m	7700-A4A31-U1C0200
			3m	7700-A4A31-U1C0300
			5m	7700-A4A31-U1C0500
			7.5m	7700-A4A31-U1C0750
			10m	7700-A4A31-U1C1000
3			.3m	7700-A3A31-U1B0030
			.6m	7700-A3A31-U1B0060
			1m	7700-A3A31-U1B0100
			2m	7700-A3A31-U1B0200
			3m	7700-A3A31-U1B0300
			5m	7700-A3A31-U1B0500
			7.5m	7700-A3A31-U1B0750
			10m	7700-A3A31-U1B1000




Mini-A (7/8") Male Straight (Internal Thread) - Female Straight				
Poles	Jacket Color	Cable Type	Length	Article Number
5	Yellow	TPE TC-ER FT4	.3m	7700-A5A51-U1D0030
			.6m	7700-A5A51-U1D0060
			1m	7700-A5A51-U1D0100
			2m	7700-A5A51-U1D0200
			3m	7700-A5A51-U1D0300
			5m	7700-A5A51-U1D0500
			7.5m	7700-A5A51-U1D0750
			10m	7700-A5A51-U1D1000
4			.3m	7700-A4A51-U1C0030
			.6m	7700-A4A51-U1C0060
			1m	7700-A4A51-U1C0100
			2m	7700-A4A51-U1C0200
			3m	7700-A4A51-U1C0300
			5m	7700-A4A51-U1C0500
			7.5m	7700-A4A51-U1C0750
			10m	7700-A4A51-U1C1000
3			.3m	7700-A3A51-U1B0030
			.6m	7700-A3A51-U1B0060
			1m	7700-A3A51-U1B0100
			2m	7700-A3A51-U1B0200
			3m	7700-A3A51-U1B0300
			5m	7700-A3A51-U1B0500
			7.5m	7700-A3A51-U1B0750
			10m	7700-A3A51-U1B1000



Mini-A (7/8") Male Straight (Internal Thread) - Female 90°				
Poles	Jacket Color	Cable Type	Length	Article Number
5	Yellow	TPE TC-ER FT4	.3m	7700-A5A71-U1D0030
			.6m	7700-A5A71-U1D0060
			1m	7700-A5A71-U1D0100
			2m	7700-A5A71-U1D0200
			3m	7700-A5A71-U1D0300
			5m	7700-A5A71-U1D0500
			7.5m	7700-A5A71-U1D0750
			10m	7700-A5A71-U1D1000
4			.3m	7700-A4A71-U1C0030
			.6m	7700-A4A71-U1C0060
			1m	7700-A4A71-U1C0100
			2m	7700-A4A71-U1C0200
			3m	7700-A4A71-U1C0300
			5m	7700-A4A71-U1C0500
			7.5m	7700-A4A71-U1C0750
			10m	7700-A4A71-U1C1000
3			.3m	7700-A3A71-U1B0030
			.6m	7700-A3A71-U1B0060
			1m	7700-A3A71-U1B0100
			2m	7700-A3A71-U1B0200
			3m	7700-A3A71-U1B0300
			5m	7700-A3A71-U1B0500
			7.5m	7700-A3A71-U1B0750
			10m	7700-A3A71-U1B1000

| DISTRIBUTION BOX ACCESSORIES

Article Number	Photo	Product Description
996064		Protective conductor connection set cable fork 1.5-2.5mm ² , screw, washer and lock washer
996065		V2A-base plate 4-way for back plated EMC-protection, with fixing bolts
7000-78081-0000000		7/8" Plug 5-pole for field-wireable, clamped joint, UL approved
7000-78201-0000000		7/8" Socket 5-pole for field-wireable, clamped joint. UL approved
55390		Dust protection cap with outer thread and chain for 7/8" Plug
55468		Blind-Plug M12 for distributor. Packaging unit=4
996049		Metal cap for not used sockets M12, Packaging Unit=10
996066		V2A-base plate 8-way for back plated EMC-protection, with fixing bolts

| M12 (MICRO) DOUBLE ENDED CORDSETS



Male Straight to Female Straight						
Poles	Jacket Color	Cable Type	AWG	Length	Article Number	
4	Gray	PUR	22	.3m	7000-40021-2340030	
				.6m	7000-40021-2340060	
				1m	7000-40021-2340100	
				1.5m	7000-40021-2340150	
				2m	7000-40021-2340200	
				3m	7000-40021-2340300	
				5m	7000-40021-2340500	
5			18	.3m	7000-40021-8620030	
				.6m	7000-40021-8620060	
				1m	7000-40021-8620100	
				1.5m	7000-40021-8620150	
				2m	7000-40021-8620200	
				3m	7000-40021-8620300	
				5m	7000-40021-8620500	
8	22	.3m	7000-40041-2350030			
		.6m	7000-40041-2350060			
		1m	7000-40041-2350100			
		1.5m	7000-40041-2350150			
		2m	7000-40041-2350200			
		3m	7000-40041-2350300			
		5m	7000-40041-2350500			
		7.5m	7000-40041-2350750			
		10m	7000-40041-2351000			
		.3m	7000-48041-2940030			
		.6m	7000-48001-2940060			
		1m	7000-48001-2940100			
		1.5m	7000-48001-2940150			
		2m	7000-48001-2940200			
.3m	7000-48001-2950030					
.6m	7000-48001-2950060					
1m	7000-48001-2950100					
1.5m	7000-48001-2950150					
2m	7000-48001-2950200					

Male Straight to Female 90° with LED						
Poles	Jacket Color	Cable Type	AWG	Length	Article Number	
4	Gray	PUR	22	.3m	7000-40341-2340030	
				.6m	7000-40341-2340060	
				1m	7000-40341-2340100	
				1.5m	7000-40341-2340150	
				2m	7000-40341-2340200	
				3m	7000-40341-2340300	
				5m	7000-40341-2340500	
			18	.3m	7000-40341-8620030	
				.6m	7000-40341-8620060	
				1m	7000-40341-8620100	
				1.5m	7000-40341-8620150	
				2m	7000-40341-8620200	
				3m	7000-40341-8620300	
				5m	7000-40341-8620500	

Male Straight to Female 90°						
Poles	Jacket Color	Cable Type	AWG	Length	Article Number	
4	Gray	PUR	22	.3m	7000-40121-2340030	
				.6m	7000-40121-2340060	
				1m	7000-40121-2340100	
				1.5m	7000-40121-2340150	
				2m	7000-40121-2340200	
				3m	7000-40121-2340300	
				5m	7000-40121-2340500	
			18	.3m	7000-40121-8620030	
				.6m	7000-40121-8620060	
				1m	7000-40121-8620100	
				1.5m	7000-40121-8620150	
				2m	7000-40121-8620200	
				3m	7000-40121-8620300	
				5m	7000-40121-8620500	
5	Gray	PUR	22	.3m	7000-40141-2350030	
				.6m	7000-40141-2350060	
				1m	7000-40141-2350100	
				1.5m	7000-40141-2350150	
				2m	7000-40141-2350200	
				3m	7000-40141-2350300	
				5m	7000-40141-2350500	
				7.5m	7000-40141-2350750	
				10m	7000-40141-2351000	

M12 Male Straight to M12 Female Straight



Poles	Jacket Color	Cable Type	Length	Article Number
4 x 18AWG	Yellow	TPE ITC/PLTC FT4	.6m	7700-40021-1500060
			1m	7700-40021-1500100
			2m	7700-40021-1500200
			3m	7700-40021-1500300
			4m	7700-40021-1500400
			5m	7700-40021-1500500
			10m	7700-40021-1501000

M12 Male Straight to M12 Female 90°



Poles	Jacket Color	Cable Type	Length	Article Number
4 x 18AWG	Yellow	TPE ITC/PLTC FT4	.6m	7700-40121-1500060
			1m	7700-40121-1500100
			2m	7700-40121-1500200
			3m	7700-40121-1500300
			4m	7700-40121-1500400
			5m	7700-40121-1500500
			10m	7700-40121-1501000

M12 Male 90° to M12 Female Straight



Poles	Jacket Color	Cable Type	Length	Article Number
4 x 18AWG	Yellow	TPE ITC/PLTC FT4	.6m	7700-40201-1500060
			1m	7700-40201-1500100
			2m	7700-40201-1500200
			3m	7700-40201-1500300
			4m	7700-40201-1500400
			5m	7700-40201-1500500
			10m	7700-40201-1501000

M12 Male 90° to M12 Female 90°



Poles	Jacket Color	Cable Type	Length	Article Number
4 x 18AWG	Yellow	TPE ITC/PLTC FT4	.6m	7700-40261-1500060
			1m	7700-40261-1500100
			2m	7700-40261-1500200
			3m	7700-40261-1500300
			4m	7700-40261-1500400
			5m	7700-40261-1500500
			10m	7700-40261-1501000

| M12 (MICRO) SINGLE ENDED CORDSETS



M12 Male Straight



Poles	Jacket Color	Cable Type	Length	Article Number
4 x 18AWG	Yellow	TPE ITC/PLTC FT4	.6m	7700-12021-1500060
			1m	7700-12021-1500100
			2m	7700-12021-1500200
			3m	7700-12021-1500300
			4m	7700-12021-1500400
			5m	7700-12021-1500500
			10m	7700-12021-1501000

M12 Male 90°



Poles	Jacket Color	Cable Type	Length	Article Number
4 x 18AWG	Yellow	TPE ITC/PLTC FT4	.6m	7700-12101-1500060
			1m	7700-12101-1500100
			2m	7700-12101-1500200
			3m	7700-12101-1500300
			4m	7700-12101-1500400
			5m	7700-12101-1500500
			10m	7700-12101-1501000

M12 Female Straight



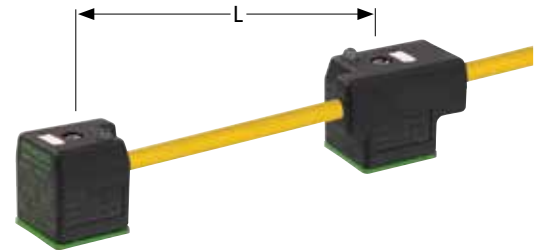
Poles	Jacket Color	Cable Type	Length	Article Number
4 x 18AWG	Yellow	TPE ITC/PLTC FT4	.6m	7700-12221-1500060
			1m	7700-12221-1500100
			2m	7700-12221-1500200
			3m	7700-12221-1500300
			4m	7700-12221-1500400
			5m	7700-12221-1500500
			10m	7700-12221-1501000

M12 Female 90°

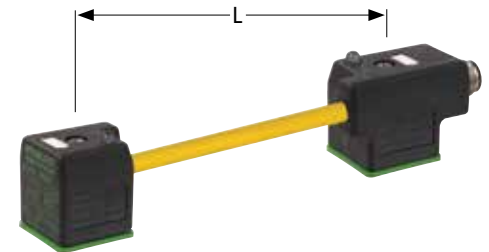


Poles	Jacket Color	Cable Type	Length	Article Number
4 x 18AWG	Yellow	TPE ITC/PLTC FT4	.6m	7700-12341-1500060
			1m	7700-12341-1500100
			2m	7700-12341-1500200
			3m	7700-12341-1500300
			4m	7700-12341-1500400
			5m	7700-12341-1500500
			10m	7700-12341-1501000

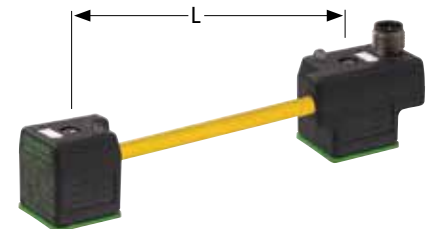
| DOUBLE VALVE CONNECTOR



Form A (18mm)					
Poles	Jacket Color	Cable Type	L Distance	Cable Length	Article Number
4	Gray	PUR	100mm	1.5m	7000-58001-2370150
				3m	7000-58001-2370300
				5m	7000-58001-2370500
			150mm	1.5m	7000-58021-2370150
				3m	7000-58021-2370300
				5m	7000-58021-2370500
			200mm	1.5m	7000-58041-2370150
				3m	7000-58041-2370300
				5m	7000-58041-2370500





Form A (18mm) with Rear Entry Male M12 Connector				
Poles	Jacket Color	Cable Type	L Distance	Article Number
4	Gray	PUR	100mm	7000-41561-2360000
			150mm	7000-41581-2360000
			200mm	7000-41601-2360000




Form A (18mm) with Top Entry Male M12 Connector				
Poles	Jacket Color	Cable Type	L Distance	Article Number
4	Gray	PUR	100mm	7000-41501-2360000
			150mm	7000-41521-2360000
			200mm	7000-41541-2360000






VALVE CONNECTOR

	Article Number	Product Description
	7000-41881-0000000	Valve-M12-connector 10 mm Form B , M12 connector top entry, seizure 3, 4, 5, 3-pole with LED
	7000-41901-0000000	Valve-M12-connector 10 mm Form B , M12 connector top entry, seizure 3, 4, 5, 3-pole with LED and suppression
7000-42021-0000000	Adapter Valve plug - M12 Form B (11 mm) Industrial standard Connector top entry 3-pole with LED and suppression	


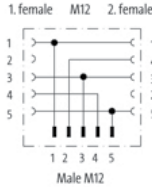
	Article Number	Product Description
	7000-41441-0000000	Valve for pressure switches- M12-connector Form A (18 mm), M12 connection at the rear, 5-pole, UL approved
	7000-41321-0000000	Valve for pressure switches- M12-connector Form A (18 mm), M12 connector top entry, 5-pole, UL approved
	7000-41421-0000000	Valve-M12-connector Form A (18 mm), M12 connection at the rear, pins 3,4,5, 3-pole with LED and suppression
7000-41301-0000000	Valve-M12-connector Form A (18 mm), M12 connector top entry, pins 3,4,5, 3-pole with LED and suppression	

	Article Number	Product Description
	7000-41941-0000000	Adapter Valve plug - M12 Form B (10 mm) 3-pole with LED
	7000-41961-0000000	Adapter Valve plug - M12 Form B (10 mm) 3-pole with LED and suppression
	7000-42041-0000000	Valve plug - M12 3-pole without electronics
	7000-42061-0000000	Valve plug - M12 3-pole with LED
7000-42081-0000000	Valve plug - M12 3-pole 3-pole with LED and suppression	


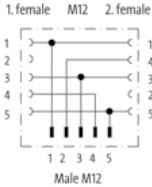

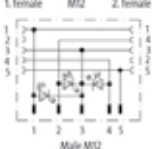
IDC FIELD WIREABLE CONNECTOR

Article Number	Picture	Product Description
7000-12561-0000000		Male connector 90° M12 4-pole 0.25-0.5mm ²
7000-12481-0000000		Male connector straight M12 4-pole 0.25-0.5mm ²
7000-12601-0000000		Female connector straight M12 4-pole 0.25-0.5mm ²
7000-12681-0000000		Female connector 90° M12 4-pole 0.25-0.5mm ²
7000-12511-0000000		Male connector straight M12 with IDC 0.5-1mm ² , pins 3,4,5
7000-12521-0000000		Male connector straight M12 4-pole 0.5-1mm ² , pins 1,2,3,4


| T-COUPLER

	Article Number	Wiring Diagram	Product Description
	7000-41121-0000000		<p>T coupler M12 male con./ M12 female con., Distribution Function (NO)</p>

| SLIMLINE T-COUPLER


	Article Number	Wiring Diagram	Product Description
	7000-41131-0000000		<p>M12 SlimLine T-coupler to 2 x M12 Female, Distribution Function (NO)</p>
	7000-41135-0000000		<p>SlimLine T-coupler with LED 2x M12 to M12 connector socket, Distribution Function (NO)</p>
	7000-99061-0000000		<p>clamp for M12 SlimLine T-coupler with fixing hole</p>
	7000-99062-0000000		<p>clamp for M12 SlimLine T-coupler to Bosch profile (mounting plate + mounting nut)</p>

| CURRENT MONITORING


	Article Number	Product Description
	9000-41034-0100400	MICO 4.6, 4 channels, Current adjustment 1A, 2A, 3A, 4A
	9000-41034-0100600	MICO 4.6, 4 channels, Current adjustment 1A, 2A, 4A, 6A
	9000-41034-0401000	MICO 4.10, 4 channels, Current adjustment 4A, 6A, 8A, 10A
	9000-41042-0100400	MICO 2.4, 2 channels, Current adjustment 1A, 2A, 3A, 4A
	9000-41042-0100600	MICO 2.6, 2 channels, Current adjustment 1A, 2A, 4A, 6A
	9000-41042-0401000	MICO 2.10, 2 channels, Current adjustment 4A, 6A, 8A, 10A
	9000-41034-0000003	MICO shortened switch (packaging unit 1)
	9000-41034-0000002	MICO bridging set (1 set)
	9000-41034-0000001	MICO bridging set (10 sets)
996067	Designation labels for MICO	

| SWITCH MODE POWER SUPPLIES

| EMPARRO - SINGLE PHASE 5-20A

	Art. Number	Input Voltage inc. Tolerance	Output Voltage	Dimension (HxWxD)
	85440	85 - 265V AC or 90 - 250V DC	24 - 28V DC 5A	125 x 50 x 138mm
	85441		24 - 28V DC 10A	123 x 65 x 138mm
	85442		24 - 28V DC 20A	125 x 85 x 138mm

| EMPARRO - 3-PHASE 5-40A

	Art. Number	Input Voltage inc. Tolerance	Output Voltage	Dimension (HxWxD)
	85690	3 x 324-572V AC or 480-745V DC	24-28V DC, 5A	123 x 50 x 138mm
	85691		24-28V DC, 10A	123 x 65 x 138mm
	85692		24-28V DC, 20A	123 x 65 x 167mm
	85693		24-28V DC, 40A	138 x 109 x 182mm

| PANEL INTERFACE UNITS



Frames

Article Number	Product Description
4000-68112-0000000	Modlink MSDD single frame black metal design, black chromate conversion, insulating
4000-68122-0000000	Modlink MSDD double frame black metal design, black chromate conversion, insulating
4000-68113-0000000	Modlink MSDD single frame silver metal design, matte nickel plated, shielded electrically conductive (EMC)
4000-68123-0000000	Modlink MSDD double frame silver metal design, matte nickel plated, shielded electrically conductive (EMC)
4000-68213-0000000	Modlink MSDD single frame silver/transparent IP65 metal design, matte nickel plated, shielded electrically conductive (EMC), transparent cover
4000-68223-0000000	Modlink MSDD double frame silver/transparent IP65 metal design, matte nickel plated, shielded electrically conductive (EMC), transparent cover
4000-68523-0000001	Modlink MSDD double frame, plastic PA black frame, plastic ABS gray lid, 3mm double bit with optional snap in knob

Inserts

Article Number	Product Description
4000-68000-0030000	Plug sockets USA (NEMA 5-15) with pluggable soldering connection 4.8 x 0.8 mm, 125 V AC, 60Hz, 15A
4000-68000-0100000	Plug sockets USA/EURO with screw terminals max. 2.5 mm ² , 125V AC, 60Hz, 15A
4000-68000-0110000	Plug sockets USA (NEMA 5-15) with fuse 3A, with pluggable soldering connection, phase 6.3 x 0.8 mm; N, PE 4.8 x 0.8mm, 125V AC, 60Hz, 15A
4000-68000-0040000	Plug sockets USA (NEMA 5-15) with touch protection and screw terminals, max. AWG14 (2.5 mm ²), 125V AC, 60Hz, 15A
4000-68000-3220000	Plug sockets USA (NEMA 5-15R GFCI) Leakage current switch point : 4 - 6mA, with Screw terminals for flexes (AWG 14-10), 125V AC, 60Hz, 15 AN, PE 4.8 x 0.8 mm, 125V AC, 60Hz, 15A
4000-68000-4100000	2 x NEMA-GFCI 5-15 (screw terminals), 1 x RJ45, 8-pole metal, CAT5e (female/female), 1 x USB (female/female) form A, 1 x fuse (3A)
4000-68000-4110000	2 x NEMA-GFCI 5-15 (screw terminals), 1 x RJ45, 8-pole metal, CAT5e (female/female), 1 x fuse (3 A)
4000-68000-4120000	2 x NEMA-GFCI 5-15 (screw terminals), 2 x RJ45, 8-pole metal, CAT5e (female/female), 1 x fuse (3 A)
4000-68000-4130000	2 x NEMA-GFCI 5-15 (screw terminals), 1 x RJ45, 8-pole metal, CAT5e (female/female), 1 x SUB-D9 (male/female), 1 x fuse (3A)
4000-68000-4140000	2 x NEMA-GFCI 5-15 (screw terminals), 1 x fuse (3A)

Sets

Article Number	Product Description
4000-68423-0003220	Double metal frame with integrated GFCI outlet on the right side
4000-68423-3220000	Double metal frame with integrated GFCI outlet on the left side

Sub D, VGA, PS2, RJ45, USB, RJ12 are available in many standard configurations. Contact factory for information.

| SWITCH CABINET COUPLING

Modlink MVP System


The Modlink MVP system provides the entry and lead through of different connectors. The Modlink System consists of a feedthrough frame and different connectors. The cut-outs of the Modlink system correspond with the cut-outs of commercially available heavy connectors (Installation size 6, 24).




Article Number	Picture	Product Description
4000-69112-0000000		MVP single frame for standard cut out, Size 6
4000-69122-0000000		MVP double frame for standard cut out, Size 24
4000-69000-1000000		Connector 5-pole, B-coded M12 female to female Sub-D9
4000-69000-1040000		5 pole M12 male/female A-coded Connector
4000-69000-1060000		5 pole M12 male/female B-coded Connector
4000-69000-1100000		M12 Connector 4 pole female D-coding to RJ45 CAT5 8 pole female
4000-69000-2000000		Modlink 7/8" Connector 5 pole female to spring clamp terminal 0.8-1.5mm²
4000-69000-2500000		Modlink Connector RJ45 to RJ45RF performance Category 5 acc. ISO IEC 11 801:2002
4000-69000-9000000		MVP Blind Plug
4000-69000-95000050		Plug connector RJ45, male straight, IP65
4000-69000-95000060		Plug connector RJ45, RJ45, male 90°, IP65

| SUPPRESSORS


| SIEMENS SIRIUS S00 CONTACTOR SUPPRESSORS

	Article Number	Product Description
	21202	RC-Suppression 230V AC for SIRIUS size S00
	26500	Diode-Circuit 24-240V DC for SIRIUS size S00
	26503	Varistor-Suppression 24-48V AC/DC for SIRIUS size S00
	26507	Varistor-Suppression 230V AC/DC for SIRIUS size S00


| SIEMENS SIRIUS S0 RT20 CONTACTOR SUPPRESSORS

	Article Number	Product Description
	2000-68400-2010000	24V DC Diode + LED
	2000-68400-2320000	230V AC/DC RC
	2000-68400-2420000	230V AC/DC VDR
	2000-68400-4300000	24V AC/DC RC
	2000-68400-4400000	24V AC/DC VDR
	2000-68400-4410000	24V AC/DC VDR + LED
	2000-68400-5320000	400V AC/DC RC
	2000-68400-5420000	400V AC/DC VDR
	2000-68400-7300000	110V AC/DC RC
	2000-68400-7400000	110V AC/DC VDR
	2000-68400-7410000	110V AC/DC VDR + LED

| SIEMENS SIRIUS S0 RT20 SUPPRESSORS

	Article Number	Product Description
	2000-68500-1100000	24-240V DC Diode
	2000-68500-2320000	230V AC/DC RC
	2000-68500-2420000	230V AC/DC VDR
	2000-68500-2470000	230V AC/DC VDR + LED
	2000-68500-4300000	24V AC/DC RC
	2000-68500-4400000	24V AC/DC VDR
	2000-68500-4410000	24V AC/DC VDR + LED
	2000-68500-5320000	400V AC/DC RC
	2000-68500-5420000	400V AC/DC VDR
	2000-68500-7300000	110V AC/DC RC
	2000-68500-7400000	110V AC/DC VDR
2000-68500-7410000	110V AC/DC VDR + LED	

SIEMENS SIRIUS S0 SUPPRESSORS

	Article Number	Product Description
	21212	RC-suppression S0 to snap into place on Siemens protecting 3RT 10 Voltage range : 230V AC/DC
	26520	Diode/Z-Diode 24-240V DC for SIRIUS S0, to snap into place on Siemens protecting 3RT 10
	26524	Varistor-suppression Voltage range : 24-70V to snap into place on Siemens protecting 3RT 10 SIRIUS size S0, S2, S3
	26526	Varistor-suppression Voltage range : 230V AC/DC to snap into place on Siemens protecting 3RT 10 SIRIUS size S0, S2, S3

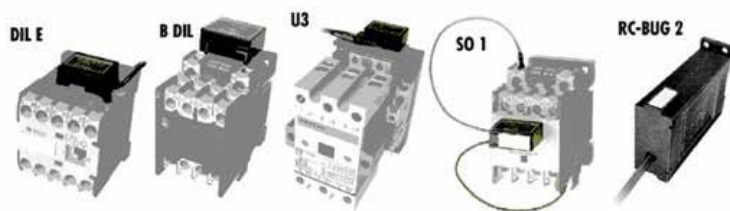
SIEMENS SIRIUS S2 SUPPRESSORS

Article Number	Product Description
21217	RC-suppression 230V AC/DC for Siemens SIRIUS size S2, S3

SIEMENS SIRIUS S3 SUPPRESSORS



Article Number	Product Description
26521	Diode-Circuit 24...240 V DC for SIRIUS size S3

MOELLER CONTACTOR SUPPRESSORS



Article Number	Product Description
26080	Diode combination 24-240V DC for DIL 0-2...M, DIL R..., DIL3-4...M, DIL 3 H, DIL 4 H
26027	Diode combination 24-240V DC for DIL 6 (A) M, 6 H, DIL8 (A) M, 8 H, 10 M, 10 H
26283	Diode combination 24V AC/DC for DIL R-G, DILR ...
26081	Z-Diode combination 24V DC for DIL 0-2...M, DIL R..., DIL3-4...M, DIL 3 H, DIL 4 H
26116	Varistor 0-60Hz 24V AC/DC for DIL E
26082	Varistor 0-60Hz 24V AC/DC for DIL 0-2...M, DIL R..., DIL3-4...M, DIL 3 H, DIL 4 H
21026	110V AC/DC VDR + LED
21072	RC-suppression 48V AC/DC for DIL S

| PANEL MOUNTED AC DUPLEX RECEPTACLES

Article Number	Picture	Product Description
676152		Plug sockets NEMA 5-15 max. 110V AC max. 16A, screw terminals max. AWG14 (2.5 mm ²)
676166		Plug sockets NEMA 5-15 max. 110V AC max. 16A, screw terminals max. AWG14 (2.5 mm ²)
67980		USA (2 × NEMA-GFCI 5-15), Screw terminals, LED (yellow) Each socket can be loaded with 15 A, however, the total load of both sockets must be below 30 A.
67981		USA (2 × NEMA-GFCI 5-20), Screw terminals, LED (yellow) Each socket can be loaded with 20 A, however, the total load of both sockets must be below 30 A.
67982		USA (2 × NEMA 5-15), Screw terminals, LED (yellow) Each socket can be loaded with 20 A, however, the total load of both sockets must be below 30 A
67983		USA (2 × NEMA 5-20), Screw terminals, LED (yellow) Each socket can be loaded with 20 A, however, the total load of both sockets must be below 30 A.