

# **brose**

## **Excellence in Mechatronics**

**Brose Fahrzeugteile GmbH & Co. KG**

**Project Manual 06-2022**  
**Brose Component Release List Electrical Version 1.8**



## 1. Change history

Version	Date	Type of change	Page
1.1	12.05.2014	Mr. Michael Engel	<ul style="list-style-type: none"> <li>• Contacts updated online links updated, maintained customer part numbers</li> <li>• Cube67 (Art.-Nr. 56731) was taken to</li> <li>• MIRO remote: Art.-Nr. 3000-32512-2100010, 3000-32512-2100020, 3000-34013-2100010, 3000-90000-0300010, 3000-90000-0300010, 3000-90000-0300020</li> <li>• power Supplies MCS-B 5A (Art.-Nr. 85163) + 10A (Art.-Nr. 85165) were current device EMPARRO 5A (Art.-Nr. 85440) + 10A (Art.-Nr. 85441) replaced</li> <li>• Cube20 Art.-Nr. 56127 was taken to</li> </ul>
1.2	14.12.2015	Mr. Udo Graser	<ul style="list-style-type: none"> <li>• Contact Updated</li> <li>• power Supplies EVOLUTION 20A (Art.-Nr. 85002) + 40A (Art.-Nr. 85004) were current equipmet EMPARRO 20A (Art.-Nr. 85692) + 40A (Art.-Nr. 85693) replaced</li> <li>• 8-Port unmanaged Ethernet-Switch TREE67(Art.-Nr. 58161) was taken</li> <li>• IP67-Netzgeräte EMPARRO67 4A (Art.-Nr. 9000-11112-1962020) + 8A (Art.-Nr. 9000-11112-2062020) was taken to</li> <li>• Circular connector M8 straight 3-pole with LED were taken to (Variants: Art.-Nr. 7000-08111-630xxxx + Art.-Nr. 7000-88002-630xxx + Art.-Nr. 7000-88062-630xxxx)</li> </ul>

1.3	01.04.2016	Mr. Udo Graser	<ul style="list-style-type: none"> <li>• Contact Updated</li> <li>• CUBE67+ I/O Modul + 4x IO-Link Master(V1.12) (Art.-Nr. 56766) was taken to</li> <li>• Optocoupler complete module(6A) MIRO 6,2 pluggable (Art.-Nr. 3000-2512-2100040) was taken to</li> <li>• Circular connector M8 angulated 4-pole with LED were taken to (Variants Art.-Nr. 7000-08102-631xxx)</li> </ul>
1.4	17.05.2017	Mr. Simon Schlichenmaier	<ul style="list-style-type: none"> <li>• Contact Updated</li> <li>• New item Art.-Nr. 56968 „Diagnostic Gateway CUBE67“</li> <li>• New item Art.-Nr. 341946 Connecting lines for our CUBE67 Diagnostic-Gateway</li> <li>• New item Art.-Nr. 85676 Emparro67 - Hybrid Power Supply</li> <li>• New item Art.-Nr. 7700-A3021-UMByyyy 7/8“ Cable, 3 pole, Female Straight</li> <li>• New item Art.-Nr. 7700-A5001-UMDyyyy 7/8“ Cable, 5 pole, Female Straight</li> <li>• New item Art.-Nr. 7000-99801-0000000 modular universal holder - 9mm</li> <li>• New item Art.-Nr. 7000-99811-0000000 modular universal holder - 14mm</li> <li>• New item Art.-Nr. 7000-74711-378yyyy Ethernet cable, Cabinet Line gelb</li> <li>• New item Art.-Nr. 7000-74711-478yyyy Ethernet cable, Cabinet Line grün</li> <li>• New item Art.-Nr. 7000-74711-778yyyy Ethernet cable, Cabinet Line grau</li> <li>• New item Art.-Nr. 7000-12721-0000000 Connector Male M12, 5 pole</li> </ul>

			<ul style="list-style-type: none"> <li>• New item Art.-Nr. 7000-12921-0000000 Connector Female M12, 5 pole</li> </ul>
1.5	01.06.2018	Mr. Udo Graser	<ul style="list-style-type: none"> <li>• Contact Updated</li> <li>• New items Art.-Nr. 55131 + 55132 IMPACT67, IO-Link double-/quadruple-Master(V1.12)</li> <li>• New items Art.-Nr. 55531 + 55532 MVK Metal, IO-Link double-/quadruple-Master(V1.12)</li> <li>• New items Art.-Nr. 59401 + 59402 MVP12-Plastic, IO-Link Hubs DI16 + DI8 DO8</li> <li>• New items Art.-Nr. 55519 + 55518 MVP12-Metal, IO-Link Hubs DI16 + DI8 DO8(K3)</li> <li>• Removed items: 55583 + 55587 + 55588 Profibus-Connector (SUB-D)</li> </ul>
1.6	15.04.2019	Mr. Thomas Scharf	<ul style="list-style-type: none"> <li>• New item Art.-Nr. 51301 RM 131/24 OUTPUT RELAY</li> <li>• New item Art.-Nr. 51410 RM 14/24 VAC/DC KL.BZ. N. EN OUTPUT RELAY</li> <li>• New item Art.-Nr. 58184 TREE PROFINET managed Switch 5x10/100BT IP67 plastic M12</li> <li>• New item Art.-Nr. 55339 MVK ProfiNet Compact module, metal, DI8 DO8 GALVANIC SEPARATION</li> <li>• New item Art.-Nr. 55557 MVK ProfiNet/PROFIsafe Compact module, metal, F DI8/4 F DO4 7/8" IRT</li> <li>• New item Art.-Nr. 55556 MVK ProfiNet/PROFIsafe Compact module, metal, F DI16/8 7/8" IRT</li> </ul>

1.7	24.06.2020	Mr. Thomas Scharf	<ul style="list-style-type: none"><li>• New item Art.-Nr. 54500 SOLID67 DI16 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP</li><li>• New item Art.-Nr. 54501 SOLID67 DI8 DO8 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP</li><li>• New item Art.-Nr. 54502 SOLID67 DO16 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP</li><li>• New item Art.-Nr. 54503 SOLID67 DIO16 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP</li><li>• New item Art.-Nr. 54504 SOLID67 IOL8 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP</li><li>• New item Art.-Nr. 54505 SOLID67 IOL8 30mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP</li><li>• New item Art.-Nr. 54506 SOLID67 IOL8(M8 5P) 30mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP</li><li>• New item Art.-Nr. 55150 Impact67 PN DIO16 M12L 4P ProfiNet, Compact module,</li><li>• New item Art.-Nr. 55151 Impact67 PN DIO14 DIO2/IOL2 M12L4P ProfiNet, Compact module,</li></ul>
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			<ul style="list-style-type: none"> <li>• New item Art.-Nr. 58185 TREE PROFINET managed Switch 4x10/100BT IP20 plastic. RJ45</li> <li>• New item Art.-Nr. 58186 TREE PROFINET managed Switch 4x10/100BT IP20 plastic. RJ45</li> <li>• New item Art.-Nr. 55160 MVK-MPNIO DIO16 M12L 4P ProfiNet, Compact module, metal</li> <li>• New item Art.-Nr. 55161 MVK-MPNIO DIO14 DIO2/IOL2 M12L 4P ProfiNet, Compact module, metal</li> <li>• New item Art.-Nr. 7000-P4221-P04yyyy M12 Power L-coded 5pol. female 0° with cable, PUR 5x1.5 bk UL/CSA+drag chain</li> <li>• New item Art.-Nr. 7000-P4201-P04yyyy M12 Power L-coded 5pol. male 0° with cable, PUR 5x1.5 bk UL/CSA+drag chain</li> <li>• New items General 24 V power supplies, from 20A these must be 3-phase</li> </ul>
1.8	14.06.2022	Mr. Thomas Scharf	<ul style="list-style-type: none"> <li>• New Item Art.-Nr. 58851 PROFINET managed Switch Xelity 10 TX IP67 M FE PN 5P</li> <li>• New Item Art.-Nr. 58853 PROFINET managed Switch Xelity 8 +2 TX IP67 M GE PN 5P</li> <li>• New Item Art.-Nr. 50041 AMMS 10-14/1 Optokopplermodul IN: 5,5 VDC - OUT: 53 VDC / 1,2 AIN: 5,5 VDC - OUT: 53 VDC / 1,2 A</li> </ul>

## 2. Contact Murrelektronik GmbH

Name	Position	Phone	Email
Markus Gemmrich	Technical	+49 7191 47 4427	<a href="mailto:markus.gemmrich@murrelektronik.de">markus.gemmrich@murrelektronik.de</a>
Thomas Scharf	Sales GERMANY	+49 172 8431841	<a href="mailto:thomas.scharf@murrelektronik.de">thomas.scharf@murrelektronik.de</a>

## 3. Note

### Special Releases:

For deviation request please contact Brose Fahrzeugteile GmbH & Co. KG.

### Exclusion of Liability:

The data provided here is not exhaustive and is not continuously updated. Please take care, that you have

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The project book based on the “**Komponentenfreigabeliste Elektrik von Brose**” at the current Version. The restrictions and requirements has to be followed.



image	Article No.	Description	custom tariff	customer part#	notes
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## Electronics in the Control Cabinet

### Power Supply DC

#### Power Supply Units

	<a href="#">85131</a>	ECO-RAIL-2 POWER SUPPLY 1-PHASE, IN: 90-264VAC OUT: 24V/1,3ADC	85044090		
	<a href="#">85132</a>	ECO-RAIL-2 POWER SUPPLY 1-PHASE, IN: 90-264VAC OUT: 24V/2,5ADC	85044082		
	<a href="#">85133</a>	ECO-RAIL-2 POWER SUPPLY 1-PHASE, IN: 90 ... 132 VAC / 173 ... 264 VAC OUT: 24V/5ADC	85044082		
	<a href="#">85135</a>	ECO-RAIL-2 POWER SUPPLY 1-PHASE, IN: 90 ... 132 VAC / 173 ... 264 VAC OUT: 24V/10ADC	85044082		
	<a href="#">85135</a>	ECO-RAIL-2 POWER SUPPLY 1-PHASE, IN: 90 ... 132 VAC / 173 ... 264 VAC OUT: 24V/10ADC	85044090		
	<a href="#">85151</a>	ECO-POWER POWER SUPPLY 1-PHASE, IN: 90-264 VAC OUT: 24V/1,3ADC	85044090		
	<a href="#">85152</a>	ECO-POWER POWER SUPPLY 1-PHASE, IN: 90-264 VAC OUT: 24V/2,5ADC	85044090		
	<a href="#">85153</a>	ECO-POWER POWER SUPPLY 1-PHASE, IN: 90-264 VAC OUT: 24V/5ADC	85044090		
	<a href="#">85154</a>	ECO-POWER POWER SUPPLY 1-PHASE, IN: 90-132 VAC/180-264 VAC OUT: 24V/7,5ADC	85044090		
	<a href="#">85155</a>	ECO-POWER POWER SUPPLY 1-PHASE, IN: 90-132 VAC/180-264 VAC OUT: 24V/10ADC	85044090		
	<a href="#">85440</a>	EMPARRO POWER SUPPLY 1-PHASE, IN: 100-240VAC OUT: 24-28VDC/5A	85044090		
	<a href="#">9000-11112-0921111</a>	EMPARRO POWER SUPPLY 1-PHASE, IN: 100-240VAC OUT: 24-28VDC/5A	85044090		
	<a href="#">85441</a>	EMPARRO POWER SUPPLY 1-PHASE, IN: 100-240VAC OUT: 24-28VDC/10A	85044090		
	<a href="#">9000-11112-1221111</a>	EMPARRO POWER SUPPLY 1-PHASE, IN: 100-240VAC OUT: 24-28VDC/10A	85044090		


















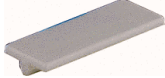
image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">85676</a>	EMPARRO67 HYBRID POWER SUPPLY 1-PHASE, 2-CHANNELS EMPARRO67 HYBRID POWER SUPPLY 1-PHASE, 2-CHANNELS	85044090		
	<a href="#">85677</a>	EMPARRO67 HYBRID POWER SUPPLY 1-PHASE, 2-CHANNELS IN: 100-240VAC OUT: 24VDC/MAX. 10A (1-8/CHANNEL)	85044090		
	<a href="#">85678</a>	EMPARRO67 HYBRID POWER SUPPLY 1-PHASE, 2-CHANNELS EMPARRO67 HYBRID POWER SUPPLY 1-PHASE, 2-CHANNELS	85044090		
	<a href="#">85679</a>	Emparro67 Hybrid 3,8-100-240/24 NEC2 7/8" 4-P	85044090		
	<a href="#">85687</a>				
	<a href="#">85687</a>	Emparro67 Hybrid 10-100-240/24 7/8" 4-P PELV	85044090		
	<a href="#">85688</a>	EMPARRO67 HYBRID POWER SUPPLY 1-PHASE, 2-CHANNELS IN: 100-240VAC OUT: 24VDC/MAX. 10A (1-8/CHANNEL)			
	<a href="#">85688</a>	Emparro67 Hybrid 10-100-240/24 M12 PELV	85044090		
	<a href="#">85690</a>	Emparro Power Supply 3-PHASE IN: 360 - 500VAC OUT: 24-28V/5ADC	85044090		
	<a href="#">87690</a>	Emparro Power Supply 3-PHASE IN: 360 - 500VAC OUT: 24-28V/5ADC	85044090		
	<a href="#">85691</a>	Emparro Power Supply 3-PHASE IN: 360 - 500VAC OUT: 24-28V/10ADC	85044090		
	<a href="#">85692</a>	Emparro Power Supply 3-PHASE IN: 360 - 500VAC OUT: 24-28V/20ADC	85044090		
	<a href="#">87692</a>	Emparro Power Supply 3-PHASE IN: 360 - 500VAC OUT: 24-28V/20ADC	85044090		
	<a href="#">85693</a>	Emparro Power Supply 3-PHASE IN: 360 - 500VAC OUT: 24-28V/40ADC	85044090		
	<a href="#">87693</a>	Emparro 40-3x360-500/24 C	85044090		
	<a href="#">85695</a>	Emparro 5-3x360-500/24 S Screw mounting	85044090		
	<a href="#">85696</a>	Emparro Power Supply 3-PHASE IN: 360 - 500VAC OUT: 24-28V/10ADC	85044090		
	<a href="#">85697</a>	Emparro 20-3x360-500/24 S Screw mounting	85044090		



image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">85698</a>	Emparro 40-3x360-500/24 S Screw mounting	85044090		
	<a href="#">85702</a>	Emparro 5-100-240/24 S Screw mounting	85044090		
	<a href="#">85703</a>	Emparro 10-100-240/24 S Screw mounting	85044090		
	<a href="#">9000-11112-1862020</a>	EMPARRO67 POWER SUPPLY 1-PHASE with Class 2 (UL1310) and PELV	85044090		
	<a href="#">9000-11112-1962020</a>	EMPARRO67 POWER SUPPLY 1-PHASE EMPARRO67 POWER SUPPLY 1-PHASE	85044090		
	<a href="#">9000-11112-2062020</a>	EMPARRO67 POWER SUPPLY 1-PHASE EMPARRO67 POWER SUPPLY 1-PHASE	85044090		

#### Accessories


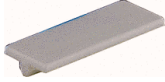
	<a href="#">996067</a>	LABEL PLATES FOR MVP-METAL/EXACT8/Emparro/MICO 20x8 white 2 sets =10p.	39269097	2222429806	
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### Intelligent Power Distribution

#### Modules




	<a href="#">9000-41034-0100600</a>	MICO ELECTRONIC AUXILIARY CIRCUIT, 4 CHANNELS IN: 24 V DC OUT: 24 V DC / 1-2-4-6 A	85363010	2222312356	
	<a href="#">9000-41034-0401000</a>	MICO ELECTRONIC AUXILIARY CIRCUIT, 4 CHANNELS IN: 24 V DC OUT: 24 V DC / 4-6-8-10 A	85363010	2222338380	
	<a href="#">9000-41042-0100600</a>	MICO electronic circuit protection, 2 CHANNELS IN: 24 V DC OUT: 24 V DC / 1-2-4-6 A	85363010	2222351035	
	<a href="#">9000-41042-0401000</a>	MICO electronic circuit protection, 2 CHANNELS IN: 24 V DC OUT: 24 V /4-6-8-10 A	85363010	2222351036	

#### Accessories

	<a href="#">9000-41034-0000002</a>	MICO ACCESSOIRES MICO bridging set (1 set)	85366990	2222399568	
	<a href="#">996067</a>	LABEL PLATES FOR MVP-METAL/EXACT8/Emparro/MICO 20x8 white 2 sets =10p.	39269097	2222429806	

### EMC Suppressors



#### Modules

image	Article No.	Description	custom tariff	customer part#	notes
	2000-68400-2010000	SIEMENS CONTACTOR SUPPRESSOR Diode and LED, 24VDC	85363010		
	2000-68400-4410000	SIEMENS CONTACTOR SUPPRESSOR Varistor and LED, 24VAC/DC	85363010		
	2000-68500-1100000	SIEMENS CONTACTOR SUPPRESSOR Diode, 0...240VDC	85363010	2222425710	
	2000-68500-4410000	SIEMENS CONTACTOR SUPPRESSOR Varistor and LED, 24VAC/DC	85363010	2222408414	
	23175	MOTOR SUPPRESSOR Varistor, 3x400VAC/4kW	85363010	2222345670	

### Accessories




	4000-71001-0410004	GROUNDING STRIP 4MM <sup>2</sup> 100MM FOR M4 Tinned copper	74130000		
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### Relay Modules







	3000-16013-3100020	MIRO 6.2 PLUGGABLE COMPL.MODULE OUTPUT RELAY IN: 24 VAC/DC - OUT: 250 VAC/DC / 6 A	85364900	2222360846	
	51301	RM 131/24 OUTPUT RELAY IN: 24 VDC - OUT: 250 VAC/DC / 5 A <b>RM 131/24 OUTPUT RELAY</b>	85364900		
	51410	RM 14/24 VAC/DC KL.BZ.N.EN OUTPUT RELAY IN: 24 VAC/DC - OUT: 250 VAC/DC / 2 A <b>RM 14/24 VAC/DC KL.BZ.N.EN OUTPUT RELAY</b>	85364900		

### Optocouplers / Semiconductors

#### Modules

	3000-32512-2100040	MIRO 6.2 PLUGGABLE COMPL. MODULE OPTO-COUPLER MIRO 6.2 PLUGGABLE COMPL. MODULE OPTO-COUPLER	85365005	2222410703	
	50041	AMMS 10-14/1 OPTO-COUPLER MODULE IN: 5,5 VDC - OUT: 53 VDC / 1,2 A	85414090	50041	
	6652571	MIRO 6.2 24VDC-250VAC/1A OPTO-COUPLER MODULE IN: 53 VDC - OUT: 250 VAC / 1 A	85414090		

### Switches

image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">58161</a>	Tree 8TX IP67 Metal - Unmanaged Switch - 8xM12	85176200	2222412774	
	<a href="#">58184</a>	TREE PROFINET managed Switch 5x10/100BT IP67 plastic M12	85176200		
	<a href="#">58185</a>	TREE PROFINET managed Switch 4x10/100BT IP20 plastic RJ45	85176200		
	<a href="#">58186</a>	TREE PROFINET managed Switch 6x10/100BT IP20 plastic RJ45	85176200		
	58851	PROFINET Managed Switch 10x10/100BT IP67 Metal M12		58851	
	58853	PROFINET Managed Switch 8x10/100BT 2x10/100/1000BT IP67 Metal M12		58853	

## Interfaces

### Front Panel Interfaces

#### Frame






	<a href="#">4000-68512-0000001</a>	MODLINK MSDD FRAME SINGLE TRANSPARENT Closure 3 mm double bit incl. pluggable knob	85389099		
	<a href="#">4000-68513-0000001</a>	MODLINK MSDD FRAME SINGLE METALIC Closure 3 mm double bit incl. pluggable knob	85389099		
	<a href="#">4000-68522-0000001</a>	MODLINK MSDD FRAME DBL TRANSPARENT Closure 3 mm double bit incl. pluggable knob	85389099	2222436236	

image	Article No.	Description	custom tariff	customer part#	notes
	4000-68523-0000001	MODLINK MSDD FRAME DBL METALIC Closure 3 mm double bit incl. pluggable knob	85389099		

### Inserts

	4000-68000-0010000	MODLINK MSDD SOCKET INSERT GERMANY 250VAC/16A with LED yellow	85366990	2222334518	
	4000-68000-0020000	MODLINK MSDD SOCKET INSERT GERMANY 250VAC/16A yellow	85366990	2222399578	
	4000-68000-1200000	MODLINK MSDD DATA INSERT 2xRJ45	85366990	2222398266	
	4000-68000-4300001	MODLINK MSDD DBL COMBI INSERT GERMANY 1xRJ45 fem./fem. + RCD opening	85366990		
	4000-68000-4390001	MODLINK MSDD DBL COMBI INSERT GERMANY YELLOW 1xRJ45 fem./fem. + RCD opening	85366990		

### Pass-through

	4000-73000-0010000	MSDD Einbaudose RJ45 Bu/Bu MSDD INSTALLATION SOCKET RJ45 CAT5e BU/BU	85366990	2222385062	
	4000-73000-0010001	MSDD INSTALLATION SOCKET RJ45 CAT5e BU/BU MSDD Einbaudose RJ45 Bu/Bu	85366990	2222385062	
	4000-73000-0020000	MSDD INSTALLATION SOCKET RJ45 CAT5e BU/BU MSDD Einbaudose RJ45 Bu/Bu	85366990	2222385062	

## Connection Technology

### With open ended wires

#### Signal




	7000-08041-6300500	M8 female 0° with cable PUR 3x0.25 bk UL/CSA+drag chain 5m	85444290	2222302357	
	7000-08041-6301000	M8 female 0° with cable PUR 3x0.25 bk UL/CSA+drag chain 10m	85444290		
	7000-08061-6310500	M8 female 0° with cable PUR 4x0.25 bk UL/CSA+drag chain 5m	85444290	2222302351	
	7000-08061-6311000	M8 female 0° with cable PUR 4x0.25 bk UL/CSA+drag chain 10m	85444290		
	7000-08101-6310500	M8 female 90° with cable PUR 4x0.25 bk UL/CSA+drag chain 5m	85444290	2222302352	









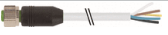


image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">7000-08101-6311000</a>	M8 female 90° with cable PUR 4x0.25 bk UL/CSA+drag chain 10m	85444290		
	<a href="#">7000-08102-6310500</a>	M8 female 90° with cable LED PUR 4x0.25 bk UL/CSA+drag chain 5m	85444290		
	<a href="#">7000-08102-6311000</a>	M8 female 90° with cable LED PUR 4x0.25 bk UL/CSA+drag chain 10m	85444290		
	<a href="#">7000-08111-6300500</a>	M8 female 0° LED with cable PUR 3x0,25 bk UL,CSA+drag chain 5m	85444290		
	<a href="#">7000-08111-6301000</a>	M8 female 0° LED with cable PUR 3x0,25 bk UL,CSA+drag chain 10m	85444290		
	<a href="#">7000-08121-6300500</a>	M8 female 90° with cable LED PUR 3x0.25 bk UL/CSA+drag chain 5m	85444290	2222302353	
	<a href="#">7000-08121-6301000</a>	M8 female 90° with cable LED PUR 3x0.25 bk UL/CSA+drag chain 10m	85444290		
	<a href="#">7000-12181-6330500</a>	M12 FEMALE 0° PUR 3X0.34 black UL/CSA, drag ch 5m	85444290		
	<a href="#">7000-12181-6331000</a>	M12 FEMALE 0° PUR 3X0.34 black UL/CSA, drag ch 10m	85444290		
	<a href="#">7000-12221-6340500</a>	M12 female 0° with cable PUR 4x0.34 bk UL/CSA+drag chain 5m	85444290	2222432042	
	<a href="#">7000-12221-6341000</a>	M12 female 0° with cable PUR 4x0.34 bk UL/CSA+drag chain 10m	85444290		
	<a href="#">7000-12261-6330500</a>	M12 FEMALE 0° LED PUR 3X0.34 black UL/CSA, drag ch 5m	85444290	2222302358	
	<a href="#">7000-12261-6331000</a>	M12 FEMALE 0° LED PUR 3X0.34 black UL/CSA, drag ch 10m	85444290		
	<a href="#">7000-12381-6330500</a>	M12 FEMALE 90° WITH LED AND CABLE PUR-OB 3x0,34 black UL,CSA+drag chain 5m	85444290	2222302354	
	<a href="#">7000-12381-6331000</a>	M12 FEMALE 90° WITH LED AND CABLE PUR-OB 3x0,34 black UL,CSA+drag chain 10m	85444290		
	<a href="#">7000-19041-7050500</a>	M12 FEMALE 0° PUR 12x0,14 black drag ch AIN 5m	85444290	2222414484	
	<a href="#">7000-19041-7051000</a>	M12 FEMALE 0° PUR 12x0,14 black drag ch AIN 10m	85444290	2222415824	
	<a href="#">7000-19061-7050500</a>	M12 FEMALE 90° PUR 12x0,14 black drag ch AIN 5m	85444290	2222365691	
	<a href="#">7000-19061-7051000</a>	M12 FEMALE 90° PUR 12x0,14 black drag ch AIN 10m	85444290	2222383723	
	<a href="#">7000-78021-9610500</a>	7/8" female 0° with cable PUR 5x1.5 gy UL/CSA+drag chain 5m	85444290	2222352822	
	<a href="#">7000-78021-9611000</a>	7/8" female 0° with cable PUR 5x1.5 gy UL/CSA+drag chain 10m	85444290	2222344181	
	<a href="#">7000-78051-9610500</a>	7/8" female 90° with cable PUR 5x1.5 gy UL/CSA+drag chain 5m	85444290	2222402483	
	<a href="#">7000-78051-9611000</a>	7/8" female 90° with cable PUR 5x1.5 gy UL/CSA+drag chain 10m	85444290		
	<a href="#">7000-78421-9610500</a>	7/8" male 0° with cable PUR 5x1.5 gy UL/CSA+drag chain 5m	85444290		
	<a href="#">7000-78421-9611000</a>	7/8" male 0° with cable PUR 5x1.5 gy UL/CSA+drag chain 10m	85444290		










image	Article No.	Description	custom tariff	customer part#	notes
	7700-A3021-UMB0500	Mini (7/8) 3 pole, Female Straight w/ Cable, PUR, UL/CSA, 3x16AWG, black, 5.0m	85444290		
	7700-A3021-UMB1000	Mini (7/8) 3 pole, Female Straight w/ Cable, PUR, UL/CSA, 3x16AWG, black, 10.0m	85444290		
	7700-A5001-UMD0500	Mini (7/8) 5 pole, Male (Ext.) Straight w/ Cable, PUR 5x1.5 bk UL/CSA+drag chain 5m	85444290		
	7700-A5001-UMD1000	Mini (7/8) 5 pole, Male (Ext.) Straight w/ Cable, PUR 5x1.5 bk UL/CSA+drag chain 10m	85444290		
	7999-12241-2380500	M12 FEMALE 0° PUR 5X0.75 GRAY, UL/CSA, drag ch 5m	85444290		

### Power

	7000-P4201-P040200	M12 Power L-cod. 5pol. male 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 5m	85444290		
	7000-P4201-P040300	M12 Power L-cod. 5pol. male 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 3m	85444290		
	7000-P4201-P040500	M12 Power L-cod. 5pol. male 0° with cable M12 Power L-cod. 5pol. male 0° with cable	85444290		
	7000-P4201-P041000	M12 Power L-cod. 5pol. male 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 10m	85444290		
	7000-P4221-P040050	M12 Power L-coded 5pol. female 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 5m	85444290		
	7000-P4221-P040200	M12 Power L-coded 5pol. female 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 2m	85444290		
	7000-P4221-P040500	M12 Power L-coded 5pol. female 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 5m	85444290		
	7000-P4221-P041000	M12 Power L-coded 5pol. female 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 10m	85444290		
	7000-P4221-P046000	M12 Power L-coded 5pol. female 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 5m	85444290		
	7000-P4221-P049000	M12 Power L-coded 5pol. female 0° with cable PUR 5x1.5 bk UL/CSA+drag chain 5m	85444290		
	7700-A3021-UMB0500	Mini (7/8) 3 pole, Female Straight w/ Cable, PUR, UL/CSA, 3x16AWG, black, 5.0m	85444290		
	7700-A3021-UMB1000	Mini (7/8) 3 pole, Female Straight w/ Cable, PUR, UL/CSA, 3x16AWG, black, 10.0m	85444290		
	7700-A5001-UMD0500	Mini (7/8) 5 pole, Male (Ext.) Straight w/ Cable, PUR 5x1.5 bk UL/CSA+drag chain 5m	85444290		
	7700-A5001-UMD1000	Mini (7/8) 5 pole, Male (Ext.) Straight w/ Cable, PUR 5x1.5 bk UL/CSA+drag chain 10m	85444290		

### Data



image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">7000-14051-8400500</a>	M12 male 0° shielded B-cod. with cable, Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 5m	85444290	2222345972	
	<a href="#">7000-14051-8401000</a>	M12 male 0° shielded B-cod. with cable, Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 10m	85444290		
	<a href="#">7000-14061-8400500</a>	M12 female 0° shielded B-cod. with cable, Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 5m	85444290	2222343582	
	<a href="#">7000-14061-8401000</a>	M12 female 0° shielded B-cod. with cable, Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 10m	85444290	2222423847	
	<a href="#">7000-14071-8400500</a>	M12 female 90° shielded B-cod. with cable, Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 5m	85444290		
	<a href="#">7000-14071-8401000</a>	M12 female 90° shielded B-cod. with cable, Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 10m	85444290		
	<a href="#">7000-14081-8400500</a>	M12 male 90° shielded B-cod. with cable, Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 5m	85444290		
	<a href="#">7000-14081-8401000</a>	M12 male 90° shielded B-cod. with cable, Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 10m	85444290		
	<a href="#">7000-14541-7960500</a>	M12 MALE, 0°, SHIELDED, D-COD. PUR 2x2xAWG22 shielded green UL, CSA+dragchain 5m	85444290		
	<a href="#">7000-14541-7961000</a>	M12 MALE, 0°, SHIELDED, D-COD. PUR 2x2xAWG22 shielded green UL, CSA+dragchain 10m	85444290		
	<a href="#">7000-15001-4140500</a>	M12 FEMALE 0° CUBE67 PUR-OB 2x0,5 gray 5m	85444290	2222339644	
	<a href="#">7000-15101-1380500</a>	M12 FEMALE 0°, 6POL PUR 4x0,5 + 2x0,5 shielded YELLOW, 5m	85444290	2222350103	

## Connection cables

### Signal








	<a href="#">341946_Master</a>	M12 male / M12 male 90° shielded Cube67 PUR 0.5+0.25 shielded gn UL/CSA+drag ch. 0,3m	85444290	2222434065	
	<a href="#">7000-40361-6350060</a>	M12 MALE 0° / M12 FEMALE 90° LED PUR 5X0.34 bk UL/CSA, drag ch 0.6m	85444290		
	<a href="#">7000-40361-6350100</a>	M12 MALE 0° / M12 FEMALE 90° LED PUR 5X0.34 bk UL/CSA, drag ch 1m	85444290		
	<a href="#">7000-40361-6350150</a>	M12 MALE 0° / M12 FEMALE 90° LED PUR 5X0.34 bk UL/CSA, drag ch 1.5m	85444290		
	<a href="#">7000-50051-9610150</a>	7/8" male 90° / 7/8" female 90° PUR 5x1.5 gy UL/CSA+drag chain 1,5m	85444290		
	<a href="#">7000-88001-6300060</a>	M8 male 0° / M8 female 0° PUR 3x0.25 bk UL/CSA+drag chain 0.6m	85444290	2222349750	

image	Article No.	Description	custom tariff	customer part#	notes
	7000-88001-6300100	M8 male 0° / M8 female 0° PUR 3x0.25 bk UL/CSA+drag chain 1m	85444290	2222349737	
	7000-88001-6300150	M8 male 0° / M8 female 0° PUR 3x0.25 bk UL/CSA+drag chain 1.5m	85444290	2222355576	
	7000-88011-6310060	M8 male 0° / M8 female 0° PUR 4x0.25 bk UL/CSA+drag chain 0,6m	85444290		
	7000-88011-6310100	M8 male 0° / M8 female 0° PUR 4x0.25 bk UL/CSA+drag chain 1m	85444290		
	7000-88011-6310150	M8 male 0° / M8 female 0° PUR 4x0.25 bk UL/CSA+drag chain 1,5m	85444290		
	7000-88002-6300060	M8 male 0° / M8 female 0° LED PUR-OB 3x0,25 black UL,CSA+drag chain 0,6m	85444290	2222423292	
	7000-88002-6300100	M8 male 0° / M8 female 0° LED PUR-OB 3x0,25 black UL,CSA+drag chain 1m	85444290	2222423293	
	7000-88002-6300150	M8 male 0° / M8 female 0° LED PUR-OB 3x0,25 black UL,CSA+drag chain 1,5m	85444290	2222423271	
	7000-88041-6300060	M8 male 0° / M8 female 90° LED PUR 3x0.25 bk UL/CSA+drag chain 0.6m	85444290	2222355578	
	7000-88041-6300100	M8 male 0° / M8 female 90° LED PUR 3x0.25 bk UL/CSA+drag chain 1m	85444290	2222355579	
	7000-88041-6300150	M8 male 0° / M8 female 90° LED PUR 3x0.25 bk UL/CSA+drag chain 1.5m	85444290	2222355610	
	7000-88062-6300060	M8 male 90° / M8 female 0° LED PUR-OB 3x0,25 black UL,CSA+drag chain 0,6m	85444290		
	7000-88062-6300100	M8 male 90° / M8 female 0° LED PUR-OB 3x0,25 black UL,CSA+drag chain 1m	85444290		
	7000-88062-6300150	M8 male 90° / M8 female 0° LED PUR-OB 3x0,25 black UL,CSA+drag chain 1,5m	85444290		
	7700-A3A01-UMB0150	Mini (7/8") male 0°/Mini (7/8") female 0° PUR, UL/CSA, 3x16AWG, black, 1.5m	85444290		
	7700-A5A01-UMD0150	Mini (7/8") male 0°/Mini (7/8") female 0° PUR 5x1.5 bk UL/CSA+drag chain 1.5m	85444290		
	7700-A3A31-UMB0150	Mini (7/8) 3 pole, Male (Ext.) 90°/Female 90°, PUR, UL/CSA, 3x16AWG, black, 1.5m	85444290		
	7700-A5A31-UMD0150	Mini (7/8) 3 pole, Male (Ext.) 90°/Female 90°, PUR 5x1.5 bk UL/CSA+drag chain 1.5m	85444290		

### Power





	7000-50021-9610150	7/8" male 0° / 7/8" female 0° PUR 5x1.5 gy UL/CSA+drag chain 1,5m	85444290		
	7000-50051-9610150	7/8" male 90° / 7/8" female 90° PUR 5x1.5 gy UL/CSA+drag chain 1,5m	85444290		
	7700-A3A01-UMB0150	Mini (7/8") male 0°/Mini (7/8") female 0° PUR, UL/CSA, 3x16AWG, black, 1.5m	85444290		

image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">7700-A5A01-UMD0150</a>	Mini (7/8") male 0°/Mini (7/8") female 0° PUR 5x1.5 bk UL/CSA+drag chain 1.5m	85444290		
	<a href="#">7700-A3A31-UMB0150</a>	Mini (7/8) 3 pole, Male (Ext.) 90°/Female 90°, PUR, UL/CSA, 3x16AWG, black, 1.5m	85444290		
	<a href="#">7700-A5A31-UMD0150</a>	Mini (7/8) 3 pole, Male (Ext.) 90°/Female 90°, PUR 5x1.5 bk UL/CSA+drag chain 1.5m	85444290		

#### Data

	<a href="#">7000-44001-8400060</a>	M12 male 0°/M12 female 0° shielded B-cod.Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 0.6m	85444290	2222363203	
	<a href="#">7000-44001-8400100</a>	M12 male 0°/M12 female 0° shielded B-cod.Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 1m	85444290	2222348213	
	<a href="#">7000-44001-8400150</a>	M12 male 0°/M12 female 0° shielded B-cod.Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 1.5m	85444290	2222345967	
	<a href="#">7000-44021-8400060</a>	M12 male 90°/M12 female 90° shielded B-cod.Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 0.6m	85444290		
	<a href="#">7000-44021-8400100</a>	M12 male 90°/M12 female 90° shielded B-cod.Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 1m	85444290	2222384937	
	<a href="#">7000-44021-8400150</a>	M12 male 90°/M12 female 90° shielded B-cod.Profibus PUR 1x2xAWG24 shielded vt UL/CSA+dragchain 1.5m	85444290	2222379942	
	<a href="#">7000-44511-7960150</a>	M12 male 0° / M12 male, 0°, shielded, Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 1,5m	85444290	2222404618	
	<a href="#">7000-44511-7960300</a>	M12 male 0° / M12 male, 0°, shielded, Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 3m	85444290	2222438305	
	<a href="#">7000-44511-7960500</a>	M12 male 0° / M12 male, 0°, shielded, Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 5m	85444290	2222404617	
	<a href="#">7000-44511-7961000</a>	M12 male 0° / M12 male, 0°, shielded, Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 10m	85444290	2222402602	
	<a href="#">7000-44561-7960150</a>	M12 male 90° / M12 male, 90°, shielded, Ethernet PUR 2x2xAWG22 shielded gn UL/CSA+drag ch. 1.5m	85444290		
	<a href="#">7000-44561-7960300</a>	M12 male 90° / M12 male, 90°, shielded, Ethernet PUR 2x2xAWG22 shielded gn UL/CSA+drag ch. 3m	85444290		
	<a href="#">7000-44561-7960500</a>	M12 male 90° / M12 male, 90°, shielded, Ethernet PUR 2x2xAWG22 shielded gn UL/CSA+drag ch. 5m	85444290		







image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">7000-44711-7960300</a>	M12 male 0° / RJ45 male 0° shielded Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 3m	85444290	2222435079	
	<a href="#">7000-44711-7960300</a>	M12 male 0° / RJ45 male 0° shielded Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 3m	85444210	2222435079	
	<a href="#">7000-44711-7960500</a>	M12 male 0° / RJ45 male 0° shielded Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 5m	85444290	2222404574	
	<a href="#">7000-44711-7961000</a>	M12 male 0° / RJ45 male 0° shielded Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 10m	85444290	2222402751	
	<a href="#">7000-46041-8020030</a>	M12 male / M12 female 0° shielded Cube67 PUR 0.5+0.25 shielded gn UL/CSA+drag ch. 0,3m	85444290	2222339645	
	<a href="#">7000-46041-8020060</a>	M12 male / M12 female 0° shielded Cube67 PUR 0.5+0.25 shielded gn UL/CSA+drag ch. 0,6m	85444290	2222343583	
	<a href="#">7000-46041-8020100</a>	M12 male / M12 female 0° shielded Cube67 PUR 0.5+0.25 shielded gn UL/CSA+drag ch. 1m	85444290	2222339646	
	<a href="#">7000-46061-8020030</a>	M12 male 90° / M12 female 90° shielded Cube67 PUR 0.5+0.25 shielded gn UL/CSA+drag ch. 0,3m	85444290	2222350102	
	<a href="#">7000-46061-8020060</a>	M12 male 90° / M12 female 90° shielded Cube67 PUR 0.5+0.25 shielded gn UL/CSA+drag ch. 0,6m	85444290	2222346439	
	<a href="#">7000-46061-8020100</a>	M12 male 90° / M12 female 90° shielded Cube67 PUR 0.5+0.25 shielded gn UL/CSA+drag ch. 1m	85444290	2222346521	
	<a href="#">7000-74301-7960150</a>	RJ45 male 0° / RJ45 male 0° shield Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 1,5m	85444210		
	<a href="#">7000-74301-7960300</a>	RJ45 male 0° / RJ45 male 0° shield Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 3m	85444210		
	<a href="#">7000-74301-7960500</a>	RJ45 male 0° / RJ45 male 0° shield Ethernet PUR 2x2xAWG22 shielded gn UL,CSA+dragchain 5m	85444210		
	<a href="#">7000-74711-3780030</a>	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded ye UL 0,3m	85444210		
	<a href="#">7000-74711-3780060</a>	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded ye UL 0,6m	85444210		
	<a href="#">7000-74711-3780100</a>	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded ye UL 1m	85444210		
	<a href="#">7000-74711-3780150</a>	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded ye UL 1,5m	85444210		

image	Article No.	Description	custom tariff	customer part#	notes
	7000-74711-3780200	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded ye UL 2m	85444210		
	7000-74711-4780030	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG26 shielded gn UL 0,3m	85444210		
	7000-74711-4780060	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG26 shielded gn UL 0,6m	85444210		
	7000-74711-4780100	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG26 shielded gn UL 1m	85444210		
	7000-74711-4780150	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG26 shielded gn UL 1,5m	85444210		
	7000-74711-4780200	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG26 shielded gn UL 2m	85444210		
	7000-74711-7780030	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded gr UL 0,3m	85444210		
	7000-74711-7780060	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded gr UL 0,6m	85444210		
	7000-74711-7780100	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded gr UL 1m	85444210		
	7000-74711-7780150	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded gr UL 1,5m	85444210		
	7000-74711-7780200	RJ45 St. 0° / RJ45 St. 0°, Gigabit FRNC/LS0H 4x2xAWG27 shielded gr UL 2m	85444210		

## Field-wireable

### Signal
















	7000-08331-0000000	MOSA M8 male 0° field-wireable (IDC) 3-pol., 0,14-0,34mm <sup>2</sup>	85366990	2222345900	
	7000-08371-0000000	MOSA M8 female 0° field-wireable (IDC) 3-pol., 0,14-0,34mm <sup>2</sup>	85366990	2222374180	
	7000-08601-0000000	M8 MALE 0° FIELD-WIREABLE SCREW TERM. 3-pol. 0,14...0.5mm <sup>2</sup>	85366990	2222390516	
	7000-08621-0000000	M8 FEMALE 0° FIELD-WIREABLE SCREW TERM. 3-pol. 0,14...0.5mm <sup>2</sup>	85366990	2222390517	
	7000-12491-0000000	MOSA M12 MALE 0° FIELD-WIREABLE (IDC) 4-pol., 0,14-0,34mm <sup>2</sup>	85366990	2222319601	
	7000-12611-0000000	MOSA M12 FEMALE 0° FIELD-WIREABLE (IDC) 4-pol., 0,14-0,34mm <sup>2</sup>	85366990	2222319602	
	7000-12721-0000000	M12 MALE 0° WIREABLE SCREW TERM. 5-pol. max.0,75mm <sup>2</sup> 4-6mm	85366990	2222351988	
	7000-12881-0000000	M12 MALE 90° FIELD-WIREABLE SCREW TERM. 5-pol. max.0,75mm <sup>2</sup> 6-8mm	85366990		





image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">7000-12921-0000000</a>	M12 FEMALE STRAIGH FIELD-WIREABLE SCREW TERM. 5-pol. max.0,75mm <sup>2</sup> 4-6mm	85366990	2222351987	
	<a href="#">7000-13041-0000000</a>	M12 FEMALE 90° FIELD-WIREABLE SCREW TERM. 5-pol. max.0,75mm <sup>2</sup> 6-8mm	85366990		
	<a href="#">7000-78081-0000000</a>	7/8" MALE 0° FIELD-WIREABLE SCREW 5-pol. clamp section 6-8 mm	85366990		
	<a href="#">7000-78091-0000000</a>	MOSA 7/8" MALE 0° FIELD-WIREABLE (IDC) 5-pol., 0,75-1,50mm <sup>2</sup>	85366990	2222365734	
	<a href="#">7000-78191-0000000</a>	7/8" FEMALE 0° FIELD-WIREABLE SCREW 3-pol. clamp section 6-8 mm	85366990		
	<a href="#">7000-78201-0000000</a>	7/8" FEMALE 0° FIELD-WIREABLE SCREW 5-pol. clamp section 6-8 mm	85366990	2222355717	
	<a href="#">7000-78211-0000000</a>	MOSA 7/8" FEMALE 0° FIELD-WIREABLE (IDC) 5-pol., 0,75-1,50mm <sup>2</sup>	85366990	2222365733	

### Power



	<a href="#">7000-78081-0000000</a>	7/8" MALE 0° FIELD-WIREABLE SCREW 5-pol. clamp section 6-8 mm	85366990		
	<a href="#">7000-78091-0000000</a>	MOSA 7/8" MALE 0° FIELD-WIREABLE (IDC) 5-pol., 0,75-1,50mm <sup>2</sup>	85366990	2222365734	
	<a href="#">7000-78191-0000000</a>	7/8" FEMALE 0° FIELD-WIREABLE SCREW 3-pol. clamp section 6-8 mm	85366990		
	<a href="#">7000-78201-0000000</a>	7/8" FEMALE 0° FIELD-WIREABLE SCREW 5-pol. clamp section 6-8 mm	85366990	2222355717	
	<a href="#">7000-78211-0000000</a>	MOSA 7/8" FEMALE 0° FIELD-WIREABLE (IDC) 5-pol., 0,75-1,50mm <sup>2</sup>	85366990	2222365733	

### Data


	<a href="#">7000-14201-0000000</a>	MOSA M12 MALE 0° FIELD-WIREABLE (IDC) B-cod., 3-pol., 0,25-0,34mm <sup>2</sup> , shielded	85366990	2222346079	
	<a href="#">7000-14521-0000000</a>	MOSA M12 MALE 0° FIELD-WIREABLE (IDC) D-cod., 4-pol., 0,14-0,34mm <sup>2</sup> , shielded	85366990	2222403281	
	<a href="#">7000-14221-0000000</a>	MOSA M12 FEMALE 0° FIELD-WIREABLE (IDC) B-cod., 3-pol., 0,25-0,34mm <sup>2</sup> , shielded	85366990	2222346140	

### T-coupler

#### Signal



	<a href="#">7000-41131-0000000</a>	T-coupler SlimLine M12-male 5p./ 2x M12-female 4p.	85366990	2222345878	
	<a href="#">7000-41131-0000000</a>		85366990	2222345878	
	<a href="#">7000-41211-0000000</a>	T-COUPLER SLIMLINE M12-MALE 4P./ 2X M8-FEMALE 3P.	85366990	2222345877	

#### Data



image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">7000-46101-0000000</a>	T-COUPLER M12 6POL. CUBE67 SHIELDED	85366990	2222339648	

## Flange Connectors




### Signal

	<a href="#">7000-14501-9760020</a>	M12 female receptacle D-cod. front mount wires PE 4x0.34 0,2m	85444290	2222421107	
	<a href="#">7000-44111-0000000</a>	M12-PANEL FEED THROUGH 5 POLE B-CODED	85366990	2222346220	
	<a href="#">7000-46111-0000000</a>	M12-PANEL FEED THROUGH 6POLE A CODED	85366990		


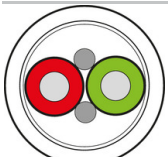
### Data

	<a href="#">7000-44671-0000000</a>	M12 Bu. D-cod. / RJ45 Ethernet adapter 0° 4-pol.	85366990		
	<a href="#">7000-44681-0000000</a>	M12 Bu. D-cod. / RJ45 Ethernet adapter 90° 4-pol.	85366990		

## Tool

	<a href="#">7000-99101-0000000</a>	M8 TORQUE WRENCH SET AF 9 Torque: 0,4 Nm	82041100		
	<a href="#">7000-99102-0000000</a>	M12 TORQUE WRENCH SET AF 13 torque: 0,6 Nm	82041100		
	<a href="#">7000-99104-0000000</a>	7/8" TORQUE WRENCH SET AF 22 Torque: 1,5 Nm	82041100		

## Bulk cable

	<a href="#">7000-C0201-7960000</a>	CABLE DRUM Ø 355MM PUR 2x2x0.34 shielded green UL,CSA+dragchain 100m	85444995		
	<a href="#">7000-C0201-8400000</a>	CABLE DRUM Ø 355MM PUR 1x2x0,64 shielded vt UL/CSA+dragchain 100m	85444993		

## Adapter







	<a href="#">55584</a>	PROFIBUS-PLUG-MALE (SUB-D) 180° Cut clamp for rigid and flexible wires	85389091	2222345673	
	<a href="#">55585</a>	PROFIBUS-PLUG-MALE (SUB-D) 90° Cut clamp for rigid and flexible wires	85389091	2222404156	
	<a href="#">55586</a>	PROFIBUS-PLUG-MALE (SUB-D) 90° WITH PG Cut clamp for rigid and flexible wires	85389091	2222404192	





image	Article No.	Description	custom tariff	customer part#	notes
<b>Accessories</b>					
	<a href="#">7000-14041-0000000</a>	M12 BUS TERMINATING PLUG FOR PROFIBUS	85331000	2222343580	
	<a href="#">7000-15041-0000000</a>	M12-Bus terminating plug for CUBE67	85332100	2222342852	
	<a href="#">7000-99801-0000000</a>	modular universal holder for connectors, 9mm	39269097		
	<a href="#">7000-99811-0000000</a>	modular universal holder for connectors, 14mm	39269097		

## I/O-Systems




### Cube67

#### Bus nodes

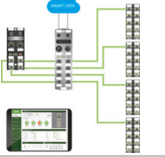


	<a href="#">56521</a>	CUBE67+ BUSNODE Profibus DP	85389099	2222370393	
	<a href="#">56526</a>	CUBE67+ BUSNODE ProfiNet IO	85389099	2222382555	

#### Expansion module

	<a href="#">56601</a>	CUBE67 I/O EXTENSION MODULE 16 multifunction channels	85389099	2222328415	
	<a href="#">56603</a>	CUBE67 I/O EXTENSION MODULE 16 digital inputs	85389099	2222339607	
	<a href="#">56621</a>	CUBE67 I/O EXTENSION MODULE 8 multifunction channels	85389099	2222337710	
	<a href="#">56623</a>	CUBE67 I/O EXTENSION MODULE 8 digital inputs	85389099	2222328417	
	<a href="#">56650</a>	Cube67 Valve-Interface, I/O Compact Module DO16, Festo CPV, Sub-D 25 pol., 0,5m, safety outputs (K3)	85444290	2222353281	
	<a href="#">5665003</a>	Cube67 Valve-Interface, I/O Compact Module DO8, Festo CPV (9), Sub-D 9 pol., 0,6m, safety outputs (K3)	85444290		
	<a href="#">5665001</a>	Cube67 Valve-Interface, I/O Compact Module DO16, Festo MPA, Sub-D 25 pol., 0,6m, 4 separated actuator supplies	85444290		
	<a href="#">5665100</a>	Cube67 Valve-Interface, I/O Extension Module DO16, Festo CPV, Sub-D 25 pol., 0,6m	85444290	2222328454	
	<a href="#">5665118</a>	Cube67 Valve-Interface, I/O Extension Module DO16, Festo MPA, Sub-D 25 pol., 0,5m	85444290	2222372669	
	<a href="#">5665501</a>	Cube67 Valve-Interface, I/O Extension Module DO8, Festo CPV (9), Sub-D 9 pol., 0,6m	85444290	2222337711	
	<a href="#">5665502</a>	Cube67 Valve-Interface, I/O Extension Module DO8, Festo MPA, Sub-D 25 pol., 0,7m	85444290		
	<a href="#">5665601</a>	Cube67 Valve-Interface, I/O Extension Module DO24, Festo MPA, Sub-D 25 pol., 0,5m	85444290	2222396864	
<a href="#">56661</a>	CUBE67 I/O EXTENSION MODULE 8 multifunction channels	85444290	2222345963		




image	Article No.	Description	custom tariff	customer part#	notes
	56662	Cube67 I/O Cable-Module, I/O Extension Module DIO16, Open-End, 0,5m	85444290	2222359455	
	56681	TERMINAL MODULE CUBE 67 IP67 8 digital inputs, 8 multifunction channels	85389099	2222345960	
	56681	TERMINAL MODULE CUBE 67 IP67 8 digital inputs, 8 multifunction channels	85176200	2222345960	
	56701	CUBE67 I/O EXTENSION MODULE 4 analog inputs (U)	85389099	2222343549	
	56731	CUBE67 I/O EXTENSION MODULE 4 analog inputs (I)	85389099	2222378076	
	56761	CUBE67+ I/O EXTENSION MODULE 4 multif. channels + RS232//422/485/MOVIMOT	85389099	2222384938	
	56766	CUBE67+ I/O EXTENSION MODULE 12 multif. channels + 4 IO-Link master V1.1	85389099		

### Diagnostic gateway

	56968	Cube67 Diagnostic Gateway Diagnosis made easy, Simple system overview	85389099	2222434064	
	56968	Cube67 Diagnostic Gateway Diagnosis made easy, Simple system overview	85389099	2222434064	
	56968	Cube67 Diagnostic Gateway Diagnosis made easy, Simple system overview	85389099	2222434064	





### Accessories

	341946_Master	M12 male / M12 male 90° shielded Cube67 PUR 0.5+0.25 shielded gn UL/CSA+drag ch. 0,3m	85444290	2222434065	
	3858627	BLIND PLUG M8, PLASTIC, 10 pieces	39269097	2222336277	
	4000-71001-0410004	GROUNDING STRIP 4MM² 100MM FOR M4 Tinned copper	74130000		
	55318	Designation label Label plates 20x8, set 20 pieces	39269097	2222345671	
	55385	7/8 PLASTIC LOCK SCREW	39269097	2222345672	
	56947	CUBE67 ACCESSORIES System interface connector	85366990	2222343401	
	56948	CUBE67 ACCESSORIES System interface connector	85366990	2222343402	





image	Article No.	Description	custom tariff	customer part#	notes
	<a href="#">56949</a>	CUBE67 ACCESSORIES System interface connector	85366990		
	<a href="#">58627</a>	BLIND PLUG M12, PLASTIC, 10 PIECES	39269097	2222402477	
	<a href="#">7000-15041-0000000</a>	M12-Bus terminating plug for CUBE67	85332100	2222342852	

## Cube20

### Bus nodes

	<a href="#">56001</a>	CUBE20 BUS NODE PROFIBUS-DP 8 digital inputs	85176200	2222352823	
	<a href="#">56006</a>	CUBE20 BN-PNIO DI8	85176200	2222407438	
	<a href="#">56140</a>	CUBE20/67 INTERFACE	85176200	2222384776	
	<a href="#">56450</a>	CUBE20 SYSTEM INTERFACE TO CUBE67 8 multifunction channels, Power external	85176200	2222350045	

### Expansion module


	<a href="#">56112</a>	CUBE20 DIGITAL INPUT MODULE 32 digital inputs	85176200	2222364874	
	<a href="#">56118</a>	CUBE20 DIGITAL OUTPUT MODULE 32 digital outputs	85176200	2222364875	
	<a href="#">56168</a>	CUBE20 DIGITAL IN-/OUTPUT MODULE 16 digital inputs and 16 digital outputs	85176200	2222350046	
	<a href="#">56200</a>	CUBE20 AI4 U/I	85176200	2222364876	

### Accessories


image	Article No.	Description	custom tariff	customer part#	notes
	55584	PROFIBUS-PLUG-MALE (SUB-D) 180° Cut clamp for rigid and flexible wires	85389091	2222345673	
	55585	PROFIBUS-PLUG-MALE (SUB-D) 90° Cut clamp for rigid and flexible wires	85389091	2222404156	
	55586	PROFIBUS-PLUG-MALE (SUB-D) 90° WITH PG Cut clamp for rigid and flexible wires	85389091	2222404192	
	56082	SLIM LINE POTENTIAL TERMINAL BLOCK	85369010	2222369907	
	56109	POTENTIAL TERMINAL BLOCK BROWN BLUE	85369010	2222352824	
	56110	POTENTIAL TERMINAL BLOCK BLUE YELLOW	85369010		

## MVK Metal




### Modules

	55160	MVK-MPNIO DIO16 M12L 4P ProfiNet, Kompaktmodul, Metall,	85389099		
	55161	MVK-MPNIO DIO14 DIO2/IOL2 M12L 4P ProfiNet, Kompaktmodul, Metall,	85389099		
	55339	MVK+ MPNIO DI8 DO8 GALVANIC SEPARATION MVK ProfiNet, metal	85389099		
	55531	MVK-MPNIO DIO14 IOL2 IRT 7/8" 5pin	85389099		
	55532	MVK-MPNIO DIO12 IOL4 IRT 7/8" 5pin	85389099		
	55556	MVK-MPNIO F DI16/8 7/8" IRT MVK ProfiNet/PROFIsafe Compact module, metal,	85389099		
	5555610	MVK-MPNIO F DI16/8 7/8" IRT MVK ProfiNet/PROFIsafe Compact module, metal,	85389099		
	55557	MVK-MPNIO F DI8/4 F DO4 7/8" IRT MVK ProfiNet/PROFIsafe Compact module, metal,	85389099		
	5555710	MVK-MPNIO F DI8/4 F DO4 7/8" IRT MVK ProfiNet/PROFIsafe Compact module, metal,	85389099		

### Accessories





image	Article No.	Description	custom tariff	customer part#	notes
	55318	Designation label Label plates 20x8, set 20 pieces	39269097	2222345671	

## SOLID67

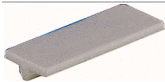


	54500	SOLID67 DI16 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP	85389099		
	54501	SOLID67 DI8 DO8 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP	85389099		
	54502	SOLID67 DO16 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP	85389099		
	54503	SOLID67 DIO16 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP	85389099		
	54504	SOLID67 IOL8 60mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP	85389099		
	54505	SOLID67 IOL8 30mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP	85389099		
	54506	SOLID67 IOL8(M8 5P) 30mm M12L 5P SOLID67 Multiprotocol Profinet or EthernetIP	85389099		

## Impact67

### Modules

	55131	Impact67 PN DIO14 IOL2 IRT 7/8" 5pin	85389099		
	55132	Impact67 PN DIO12 IOL4 IRT 7/8" 5pin	85389099		
	55150	Impact67 PN DIO16 M12L 4P ProfiNet, Compact module,	0		
	55150	Impact67 PN DIO16 M12L 4P ProfiNet, Compact module,	85389099		
	55151	Impact67 PN DIO14 DIO2/IOL2 M12L 4P ProfiNet, Compact module,	85389099		

### Accessories

	55318	Designation label Label plates 20x8, set 20 pieces	39269097	2222345671	
	55385	7/8 PLASTIC LOCK SCREW	39269097	2222345672	
	58627	BLIND PLUG M12, PLASTIC, 10 PIECES	39269097	2222402477	

## Impact20

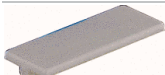



	55318	Designation label Label plates 20x8, set 20 pieces	39269097	2222345671	
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image	Article No.	Description	custom tariff	customer part#	notes
	56109	POTENTIAL TERMINAL BLOCK BROWN BLUE	85369010	2222352824	
	56110	POTENTIAL TERMINAL BLOCK BLUE YELLOW	85369010		

## MASI

	3858627	BLIND PLUG M8, PLASTIC, 10 pieces	39269097	2222336277	
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## IO-Link Devices

### IO-Link Hub



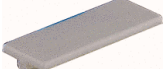
	55518	MVP12-Metal 8xM12 DI8 DO8 IOL K3, galvanic separation, IO-Link Version 1.1	85176200		
	55519	MVP12-Metal 8xM12 DI16 IOL IO-Link Version 1.1	85176200		
	59401	MVP12 plastic DI16 IOL HUB IO-Link Version 1.1	85369010		
	59402	MVP12 plastic DI8 DO8 IOL IO-Link Version 1.1	85369010		

## M8 Distribution Systems

### Modules

	8000-80060-0000000	EXACT8, 10XM8, 3 POLE Conn.M12 12 pole	85369010	2222365602	
	8000-84060-0000000	EXACT8, 4XM8, 3 POLE Conn.M12 12 pole	85369010	2222393693	
	8000-86060-0000000	EXACT8, 6XM8, 3 POLE Conn.M12 12 pole	85369010	2222397622	
	8000-88060-0000000	EXACT8, 8XM8, 3 POLE Conn.M12 12 pole	85369010	2222364873	

### Accessories

	3858627	BLIND PLUG M8, PLASTIC, 10 pieces	39269097	2222336277	
	7000-99101-0000000	M8 TORQUE WRENCH SET AF 9 Torque: 0,4 Nm	82041100		
	996067	LABEL PLATES FOR MVP-METAL/EXACT8/Emparro/MICO 20x8 white 2 sets =10p.	39269097	2222429806	

## M12 Distribution Systems

### Modules






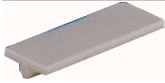
	8000-84560-0000000	EXACT12, 4XM12, 5 POLE Conn.M12 12 pole	85369010		
	8000-88460-0000000	EXACT12, 8XM12, 4 POLE Conn.M12 12 pole	85369010	2222402484	



image	Article No.	Description	custom tariff	customer part#	notes
<b>Accessories</b>					
	<a href="#">58627</a>	BLIND PLUG M12, PLASTIC, 10 PIECES	39269097	2222402477	
	<a href="#">7000-99102-0000000</a>	M12 TORQUE WRENCH SET AF 13 torque: 0,6 Nm	82041100		
	<a href="#">996050</a>	LABEL PLATE FOR USE WITH MVP 17X9mm, white, 2 sets=12 pieces.	39269097		
	<a href="#">996067</a>	LABEL PLATES FOR MVP-METAL/EXACT8/Emparro/MICO 20x8 white 2 sets =10p.	39269097	2222429806	