



## QUICK PICKS

Your Connectivity Essentials



*stay connected*

**Coming Soon!**

- Xelity Switches
- Impact67 with IO-Link





## Welcome to Quick Picks!

Murrelektronik is dedicated to providing customers with the superior service, dependable products and savvy solutions they need to rise above their competitors in today's aggressive marketplace.

We have increased product inventory at our U.S. warehouse and added optional shipping and manufacturing services to make sure that our customers always receive cost competitive, top quality products in the fastest time possible.

This brochure lists items that are routinely stocked in our U.S. warehouse. The following shipping options are available to expedite orders and reduce costly inventory storage at our customers production facilities.

- Products stocked at the U.S. warehouse can be shipped the same day!\*
- Products stocked at the U.S. warehouse can be drop-shipped directly to end-users for faster, customized delivery!\*
- Products stocked in Germany can be shipped and delivered in less than one week!\*

These services improve ordering flexibility, increase operating efficiency by scheduling product delivery according to manufacturing schedules and provide quick access to more products when and where customers want them!

## Product Families

PLC



### Control Cabinet

Filters • EMC Suppressors • Relays  
Optocouplers • Power Supplies • Micro  
Switches

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### Interfaces

Modlink • Modlight  
Pages 15 - 18



### IO Solutions

Impact67 • IO-Link Products  
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### Connectivity Solutions

M8 • M12 • 7/8"  
Valve Plugs • IDC  
Distribution Boxes  
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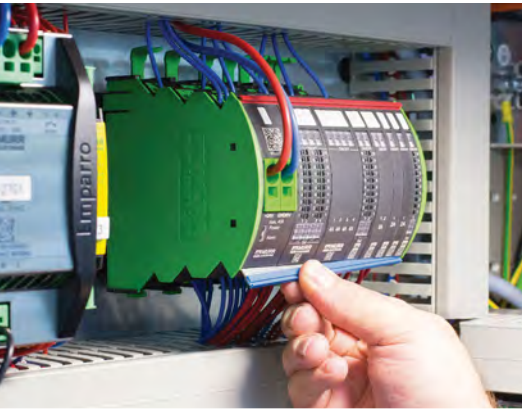


Sensor/Actuator



## New for 2021

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## Power Management Solutions

Murrelektronik views power management as the starting point for machine efficiency. Power conditioning, properly sized power supplies, current monitoring, redundancy and energy savings are all considered when we assemble a power management solution for our customers. The combined technologies offered by Murrelektronik help you to achieve a power management solution tailored to your application, your budget and your peace of mind.

*Filter - Buffer - Redundancy - Power - Current Monitoring:*

**All From Murrelektronik**



For more information about the products featured in this section, scan the QR code.



## EMPARRO CAP BUFFER MODULE



Art. Number	Input Voltage	Output Voltage	Buffering Time	Dimension (HxWxD)
85458	21.6 - 28V DC	28 - 21.6V DC	2.4 sec. / 20A / 24V DC	123 x 65 x 143mm



## Emparro

- 50% Power Boost for up to 4 sec.
- Metal housing with optimum EMC characteristics
- No derating from -25° to +60°C
- Narrow (50 - 85mm) width
- High mains failure bridging time

## SINGLE PHASE 5-20A 24V DC



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



The 24V Emparro 3-phase power supplies are extremely reliable, extraordinarily efficient and they don't take up much cabinet space.

- Continuous 2-phase operation
- Parallel operation (Connect up to five units to each other)
- Alarm contact & LED
- Derating from 60°C

## Preventative Diagnostics

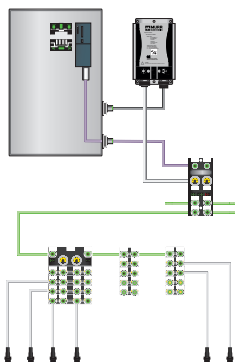
The 40A Emparro 3-phase continuously monitors parameters including temperature, load and number of starts. It sends a message when it is time for it to be replaced so that replacement can be done during the next scheduled service. This helps to reduce unplanned downtimes.

### THREE PHASE 5-20A 24-28V DC

Art. Number	Input Voltage inc. Tolerance	Output Voltage	Dimension (HxWxD)
85690	3 x 324-572V AC or 3 x 450-745V 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



## Emparro67



### Supply power at the load.

Emparro67 power supplies are designed for applications outside the control cabinet. They are able to withstand fluctuations in environmental conditions and are able to be installed in the field, next to the load.

Power loss is kept to a minimum, because the voltage is converted from 230V AC to 24V DC directly at the load. This reduces energy costs and allows builders to use smaller cabinets.



Art. Number	Input Voltage inc. Tolerance	Output Voltage	Connection	
9000-11112-1862020	90-265V AC/V DC	24V DC 3.8A	In: 3p 7/8" Male Out: 4p 7/8" Fem	PELV
9000-11112-1962020		24V DC 4A	In: 3p 7/8" Male Out: 5p 7/8" Fem	SELV/PELV*
9000-11112-2062020		24V DC 8A		

## Emparro67 Hybrid



Emparro67 Hybrid is a switch mode power supply that monitors currents using two integrated 24V DC load circuit monitoring channels to ensure system reliability. An IO-Link interface permits extensive and transparent communication.



Art. Number	Input Voltage inc. Tolerance	Output Voltage	Connection	
85676	90-265V AC/V DC	24V DC 10A	In: 3p 7/8" Male Out: 5p 7/8" Fem	SELV/PELV*
85677			In: 3p 7/8" Male Out: 4p 7/8" Fem	
85678			In: 3p 7/8" Male Out: L-code M12	
85679		24V DC 2 x 3.8A	In: 3p 7/8" Male Out: 4p 7/8" Fem	PELV

### POWER CABLE (Mini (7/8") to Wall Plug)

Jacket Color	Cable Type	Length	Art. Number
Yellow	TPE	2m	7700-A3N01-U1B0200

\* For PELV requirements according to EN60204-1 §6.4.1: Connect either + or - terminal to protective earth (PE)





## FOCUS ON THE ESSENTIALS

Eco-Rail 2 power supplies offer machine and control cabinet manufacturers a flexible and economical way to meet customer needs. These power supplies provide basic functionality and help keep overall control cabinet costs down.

### SINGLE PHASE 1.3-20A 24V DC

Art. Number	Input Voltage inc. Tolerance	Output Voltage	Dimension (HxWxD)
85131	90-264V AC	30W 24V DC 1.3A	125 x 50 x 70mm
85132		60W 24V DC 2.5A	125 x 50 x 80mm
85133	90-132V AC or 173-264V AC	120W 24V DC 5A	125 x 50 x 125mm
85135		240W 24V DC 10A	125 x 72 x 125mm
85137		480W 24V DC 20A	125 x 105 x 127mm



## EMC Filters

Corrupted signals, especially in industrial surroundings, can lead to faults in operations, the disruption of a production line, or the shutdown of machinery.

- Reduce transient voltages
- Recommended for all "BUS" installations
- Install in multiple locations
- Single and 3-phase versions
- DIN rail mountable (some models)



Art. Number	Nominal Current	Supply Voltage	Dimension (HxWxD)
10415	10A	Max. 250V AC, 300V DC	107 x 65 x 39mm
10416	20A		

## MB Redundancy Balance

- 50:50 auto load balancing
- LEDs for channel-specific status indication
- Signal contact for input voltage and load distribution
- Full power ready when needed



Art. Number	85496
Input Voltage	24V DC
Input Current	2 x 20A
Total Current	max. 40A
Output Voltage	24V DC
Auto Balancing	Yes (50/50)
Dimension (HxWxD)	90 x 70 x 80mm

## MB Diode - Power Supply Redundancy

Reduce the power consumption of two power supplies by 50%

- Automatic switching between power supplies
- Signal Reporting
- Bridging for MICO



Art. Number	85396
Input Voltage	24V DC
Output Voltage	24V DC
Overload	at 20A +50% for 4 sec.
Dimension (HxWxD)	90 x 70 x 80mm

## Miro 6.2

Relays and optocouplers are essential in control systems and process automation. They are used to amplify, modify, isolate and/or transfer signals to other parts of the automation process while at the same time reducing the danger of disruption caused by interference.

- 6.2mm wide housing
- Screw Terminals or Spring Clamps
- Integrated LED and Label Plates

### RELAY

Art. Number	Output Relay	Input Voltage	Max. Switching Voltage
52000	1 C/O contact	24V DC	250V AC 6A
52001		24V AC/DC	
52002	1 N/O contact	24V DC	
52015		24V AC/DC	
52030	1 C/O contact	110V AC/DC	
52040		230V AC/DC	
52050		12V DC	



### OPTOCOUPLER - Solid State Switching

Art. Number	Type	Input Voltage	Max. Switching Voltage
52500	.5A	24V DC	5 - 48V DC
52501	2A		
52502		5V DC	
52507	.5A	230V AC	
52520	10A	24V DC	3 - 30V DC
3000-32512-2100040	6A		



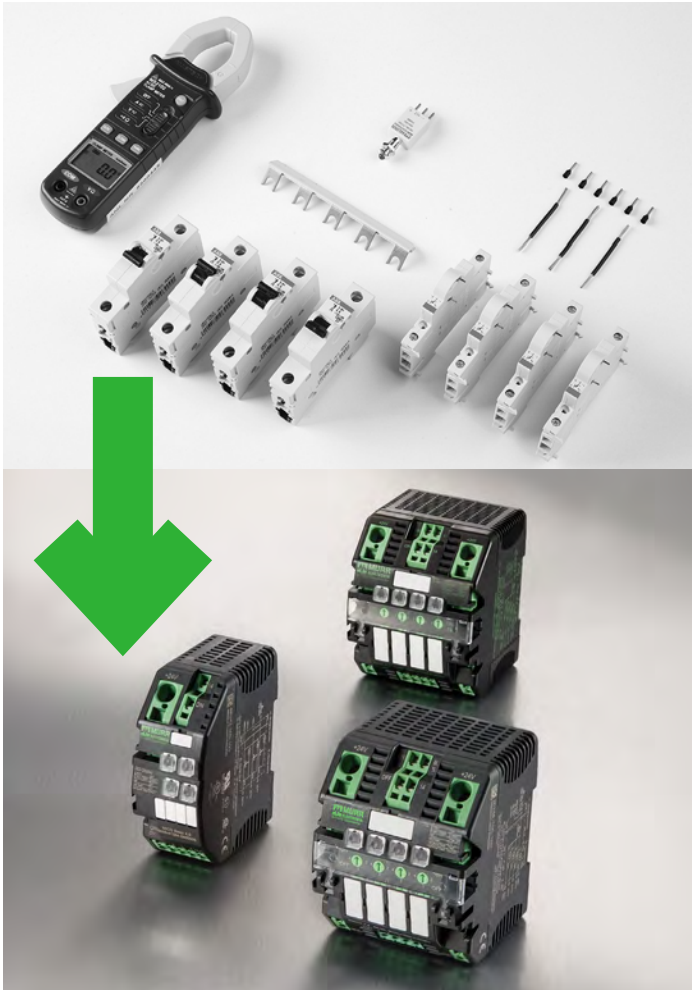
### MULTI-FUNCTION TIMER

Art. Number	52350	<b>Functions:</b> On Delay One Shot Pause Start Pulse Start Off Delay
Time Range	.1 - 300s	
Max. Current / Min. Load	6A / 10mA	
Approvals	UL + CSA	



## Do you recognize any of these 24V DC control circuit problems?

- Sensor & valve cables get very hot, melt or catch fire without the breaker reacting
- We have to shut down the machine to reset a breaker, repair sensor cables or replace a fuse
- We have to open the control cabinet to see which breaker or fuse failed, and keep the cabinet open to troubleshoot a circuit
- The power supply shuts down during a short circuit or overload
- We oversize our power supply to prevent it drawing down before our breakers trip
- We oversize our breaker or fuse to avoid them blowing during machine start-up
- We have to keep many different breakers and fuses in stock







## Mico Pro® - Modular Current Monitoring

Choose your configuration from the components below. When you are done, scan the QR code at right to access our online configuration tool to double check your system.



Power Module	Description		Article Number
Mico Pro PS 5-100-240/24	Switch-mode power supply single phase 5A		9000-41190-0000105
Mico Pro PS 10-100 240/24	Switch-mode power supply single phase 10A		9000-41190-0000110
Fixed Slices	Number of Channels	Tripping Current	Article Number
Mico Pro Fix 1.2	1	2A	9000-41011-0200000
Mico Pro Fix 1.4 CL2		4A	9000-41011-0400001
Mico Pro Fix 2.2	2	2A	9000-41012-0200000
Mico Pro Fix 4.2	4	2A	9000-41014-0200000
Mico Pro Fix 4.4 CL2		4A	9000-41014-0400001
Adj. Slices	Number of Channels	Tripping Current	Article Number
Mico Pro Flex 1.10	1	1-10A in 1A Increments	9000-41091-0101000
Mico Pro Flex 1.20		11-20A in 1A Increments	9000-41091-1102000
Mico Pro Flex 2.10	2	1-10A in 1A Increments	9000-41092-0101000
Mico Pro Flex 4.10	4		9000-41094-0101000
Accessories	Description		Article Number
Mico Pro 2x12	2 X 12 Potential Distributors, 20A max.		9000-41000-0000212
Mico Pro 2 x Blue	Unlimited expansion, 40A max., 500mm length		9000-41000-0000000
Mico Pro 2 x Red			9000-41000-0000001

 Models with NEC Class 2 Certification

## MICO: Intelligent Power Distribution

- Monitor and protect against overload and short circuit
- Alert Others - signal provided for condition changes
- Easy Reset- signal contact for remote reset possibilities
- UL Listed

### MICO+

Art. Number	Nominal Input Voltage	Channels	Current Adjustment	Dimension (HxWxD)
9000-41084-0100400	24V DC - Min. 10A, Max. 16A	4	1A/2A/3A/4A	90 x 70 x 80mm
9000-41084-0100600	24V DC - Min. 10A, Max. 24A		1A/2A/4A/6A	
9000-41084-0401000	24V DC - Min. 10A, Max. 40A		4A/6A/8A/10A	

### MICO CLASSIC

Art. Number	Nominal Input Voltage	Channels	Current Adjustment	Dimension (HxWxD)
9000-41034-0100400	24V DC	4 current selectable	1A/2A/3A/4A	90 x 70 x 80mm
9000-41042-0100600	24V DC - Min. 10A, Max. 40A	2 current selectable	1A/2A/4A/6A	90 x 36 x 80mm
9000-41034-0100600		4 current selectable		90 x 70 x 80mm
9000-41034-0401000	24V DC - Min. 20A, Max. 40A		4A/6A/8A/10A	

### MICO BASIC

Art. Number	Nominal Input Voltage	Channels	Current Range (Preset)		Dimension (HxWxD)
9000-41064-0200000	24V DC - Min. 10A, Max. 8A	4	2A		90 x 35 x 80mm
9000-41064-0400000	24V DC - Min. 10A, Max. 16A		4A		
9000-41064-0600000	24V DC - Min. 10A, Max. 24A		6A		
9000-41068-0200000	24V DC - Min. 10A, Max. 16A	8	2A		90 x 70 x 80mm
9000-41068-0400000	24V DC - Min. 10A, Max. 32A		4A		
9000-41068-0600000	24V DC - Min. 10A, Max. 48A		6A		
9000-41068-0200600	24V DC - Min. 10A, Max. 28A		5 x 2A	3 x 6A	

 Models with NEC Class 2 Certification

# Ethernet Switches



## Tree Unmanaged - Metal Housing

Are designed to work in industrial environments that require compliance with UL, CE, FCC & RoHS Standards. These unmanaged Ethernet switches provide the switching needed to connect Ethernet-based devices to distributed systems and to incorporate Ethernet-based devices and industrial protocols.

Art. Number	58171	58173	58174
Number of Ports	8		16
Transfer Rate	10-100Mbit	1000Mbit	10/100/1000Mbit
Supply Voltage	9 - 48V DC		
Nominal Supply Voltage	24V DC		
Dimension (HxWxD)	90 x 45 x 78mm		145 x 45 x 113mm



## Tree PoE - Metal Housing

Art. Number	58192	58193
Number of Ports	8 (4 PoE)	8 (8 PoE)
Transfer Rate	10/100/1000Mbit	
Supply Voltage	12 - 23V DC (60W) / 24 - 57V DC (120W)	
Nominal Supply Voltage	24V DC	
Dimension (HxWxD)	145 x 57.8 x 13 mm	





## Xelity® - Slim Profile

Introducing Xelity® Ethernet switches from Murrelektronik. Designed and produced in Germany, these switches are available with up to 8 ports. Utilizing push in connections, these switches make installations simple and reliable. The UL listing and wider temperature range enables the Xelity® family to be used worldwide. Xelity® is capable of prioritizing Profinet protocols while transferring data packages of up to 100 Mbit/s and can be used as a low cost alternative to PNIO managed switches.



<b>Art. Number</b>	58810	58811	58812
<b>Number of Ports</b>	4	6	8
<b>Transfer Rate</b>	10/100Mbit/s full duplex		
<b>Supply Voltage</b>	9.5 - 31.5V DC		
<b>Nominal Supply Voltage</b>	24V DC		
<b>Dimension (HxWxD)</b>	140 x 30 x 85.1mm		105 x 41.6 x 85.1mm





## Modlink MSDD - Programming Port

Single part number ordering for our most common combinations is available for Modlink. Consult the table below to find the article numbers for our most popular single and double frame sets.



Components	Art. Number
Single Silver Frame; Single Outlet, RJ45 CAT 5e, 3A fuse	4000-68513-4070001
Double Silver Frame; GFCI 15A, RJ45, 3A Fuse Insert	4000-68523-4110001
Double Silver Frame; GFCI 15A, 2 x RJ45, 3A Fuse Insert	4000-68523-4120001

## Custom Laser Etching

You can now add your company logo, graphics, text, barcode or other information to the cover of your Modlink frame. Order using the article numbers below and keep in mind the following best practices for your graphic files:

- Graphics should be submitted as either .dxf, .dwg or .eps files
- Black and white graphics will reproduce better than color ones
- Graphics may be submitted as high resolution (300dpi) .jpg files. However, reproduction quality can not be guaranteed. For best results, submit one of the file formats above.
- Area available for laser etching is indicated by the pink rectangles on the frames below



Art. Number	Style
400C-68512-0000001	Single Frame, Transparent Lid
400C-68513-0000001	Single Frame, Metallic Lid
400C-68514-0000001	Single Frame, Gray Lid
400C-68522-0000001	Double Frame, Transparent Lid
400C-68523-0000001	Double Frame, Metallic Lid
400C-68524-0000001	Double Frame, Gray Lid

## Comlight56

The Comlight56 IO-Link version is equipped with an IO-Link interface. The IO-Link interface allows the user to adjust the lights - changing colors, adjusting timing, counting on/off cycles - through the PLC. Just like a standard Comlight56 these are compact, low energy LED lights. There is even a model with a buzzer and nine selectable tones for applications that require an audible signal

Description	Article Number
IOL LED	4000-75056-0000001
IOL LED/Buzzer	4000-75056-0000002
IOL LED/Touch Sensor	4000-75056-0000003
IOL LED/Buzzer/Touch Sensor	4000-75056-0000004
Mounting Adapter	4000-75056-0000903



## Modlight

Murrelektronik's Modlight Pro LED stack lights bring flexibility to your installations. The lights, available in five colors, can be combined as the user sees fit. An audible signal can also be integrated using the signal tower with a buzzer element.

Modlight 30	
Description	Article Number
Modlight30 Set (Base + Red, Amber & Green Lights)	4000-75324-5310000
Mounting Adapter for Modlight30	4000-75030-0000903
Modlight 70	
Description	Article Number
Buzzer Module	4000-76070-1100004
Base with 3-pole M12 Side Connection (IO-Link Compatible)	4000-76070-1400015
Red Light	4000-76070-1011000
Amber Light	4000-76070-1012000
Green Light	4000-76070-1013000
Blue Light	4000-76070-1014000
Clear Light	4000-76070-1015000
Mounting Adapter	4000-75070-0000904



## Modlight Illumix - Panel Lighting

### Lighting for any job

- Daylight quality lighting - 105lm/W
- 5500K white point
- Glare and flicker free
- Maintenance free LED bulb
- IP54 rated
- 360° rotatable mounting brackets
- Slim Line Exp lights can be daisy chained together



	Dimensions (HxWxD)	Power/Rated Voltage	Luminaire Light Current	Article Number
Slim Line 4W	34 x 24 x 218mm	4W / 24V DC	420lm	4000-75800-1715004
Slim Line 8W	34 x 24 x 358mm	8W / 24V DC	840lm	4000-75800-1715008
Slim Line 16W	34 x 24 x 638mm	16W / 24V DC	1680lm	4000-75800-1715016
Slim Line 24W	34 x 24 x 918mm	24W / 24V DC	2520lm	4000-75800-1715024
Slim Line 32W	34 x 24 x 1198mm	32W / 24V DC	3360lm	4000-75800-1715032
Slim Line 4W Exp.	37 x 40 x 235mm	6W / 24V DC	630lm	4000-75901-1415006
Slim Line 8W Exp	37 x 40 x 410mm	12W / 24V DC	1260lm	4000-75901-1415012
Slim Line 16W Exp	37 x 40 x 585mm	18W / 24V DC	1890lm	4000-75901-1415018
Slim Line 24W Exp	37 x 40 x 760mm	24W / 24V DC	2520lm	4000-75901-1415024
Slim Line 32W Exp	34 x 24 x 1198mm	32W / 24V DC	3360lm	4000-75900-1715032



## IMPACT67 - IP67 Remote IO

EtherNet/IP™

EtherCAT®

Module	Ethernet/IP 16DIO	Ethernet/IP 8IOL	EtherCAT 8IOL
Article No.	55142	54631	54632
<b>Technical Data</b>			
IO-Link Master Ports		8 (A/B compatible)	
Digital Signals	M12 ports - up to 16 digital inputs or outputs (auto-configurable)		
Digital In	Acc. to EN 61131-2, Type 3 (200mA), single channel protected	Acc. to EN 61131-2, Type 3 (2A), single channel protected	
Digital Out	max. 1.6A per output	max. 2A per output	
Power	24V DC (4-p 7/8") Max. 9A sensor and 9A actuator supply	24V DC (5-p L-coded M12) Max. 16A sensor and 16A actuator supply	



### IODD Management For Impact67

The use of an external software tool is needed to set the parameters of the IO-Link Device. The IODD file needs to be imported into this software tool before using with a PLC. Scan the QR code to get the IO-Link Tool:



### IO-LINK HUBS

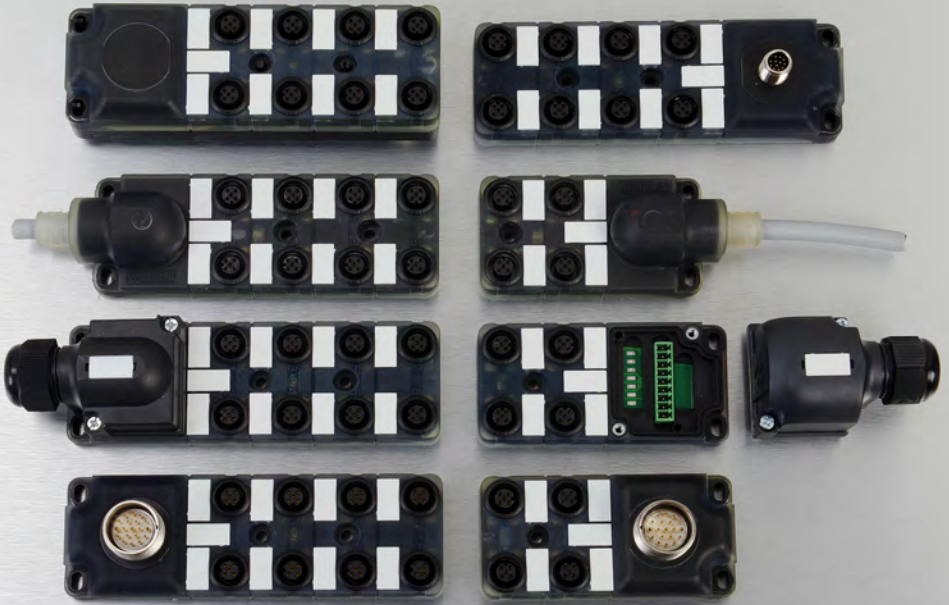
	DI16	DIO16	DIO8
Article Number	59710	59719	59504
<b>Technical Data</b>			
Digital Signals	16 DI	Up to 16 DI or DO	up to 8 DI or DO
Connection Type	M12 ports x 8		M8 ports x 8
Digital In	Acc. to EN 61131-2, Type 1 (250mA), single channel protected		
Digital Out		max. 2A per output	
Power/ Comm. Connection	3-p A-coded M12 (IO-Link Class A)	5-p A-coded M12 (IO-Link Class B)	



### IO-LINK ANALOG CONVERTER

	Measuring Ranges	Article Number
AI	0-20mA, 4-20mA, 0-10V, -10±10V	5000-00501-1300001
AO	0-20mA, 4-20mA, 0-10V, -10±10V	5000-00501-2300001
RTD	PT100, PT200, PT500, PT1000, 0 - 3000 Ohm	5000-00501-1500001
TH	Types K, N, J, E, R	5000-00501-1400001





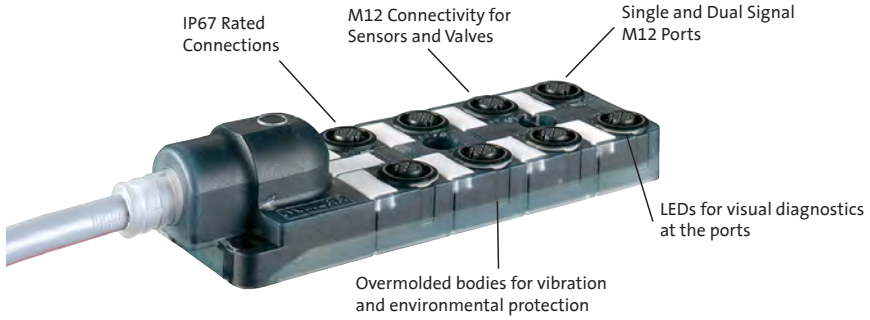
## Distribution Boxes

Murrelektronik distribution boxes offer solutions for a diverse array of applications. Space saving and maintenance friendly, they offer a significant cost reduction compared to junction boxes and can be installed in a quarter of the time.

See page 27 for details!



## EXACT12



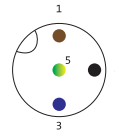
### Signal Selection

- NPN or PNP
- With or without LED
- 4 or 8 Port

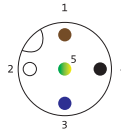
### Cable

- Lengths to 30m
- PUR/PVC or PUR
- M23 Termination Optional
- M12 8 and 12-pin Assemblies

### 4 & 5-Pole Versions

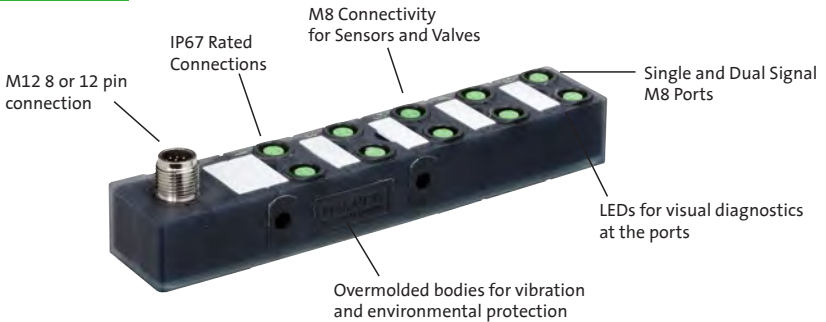


1. Brown (+24)
3. Blue (-)
4. Black (Signal 1)
5. Green/Yellow - Earth Ground



1. Brown (+24)
2. White (Signal 2)
3. Blue (-)
4. Black (Signal 1)
5. Green/Yellow - Earth Ground

## EXACT8



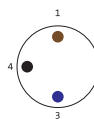
### Signal Selection

- NPN or PNP
- With or without LED
- 4, 6, 8 or 10 Port

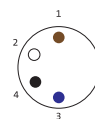
### Cable

- Lengths to 30m
- PUR/PVC or PUR
- M12 8 and 12-pin Assemblies

### 4 & 5-Pole Versions




1. Brown (+24)
4. Black (Signal 1)
3. Blue (-)





1. Brown (+)
2. White (Signal 2)
3. Blue (-)
4. Black (Signal 1)


# M12 Distribution Boxes

## INTEGRATED CABLE


	<b>EXACT12 4-PORT, 4-POLE (1 signal per port)</b>		
PNP Art. Number	8000-84410-3330300	8000-84410-3330500	8000-84410-3331000
NPN Art. Number		8000-84411-3330500	8000-84411-3331000
PUR/PVC Cable Length	3m	5m	10m
Port	M12 female 4-pole		

	<b>EXACT12 4-PORT, 5-POLE (2 signals per port)</b>		
PNP Art. Number	8000-84510-3630300	8000-84510-3630500	8000-84510-3631000
NPN Art. Number		8000-84511-3630500	8000-84511-3631000
PUR/PVC Cable Length	3m	5m	10m
Port	M12 female 5-pole		

	<b>EXACT12 8-PORT, 4-POLE (1 signal per port)</b>		
PNP Art. Number	8000-88410-3620300	8000-88410-3620500	8000-88410-3621000
NPN Art. Number		8000-88411-3620500	8000-88411-3621000
PUR/PVC Cable Length	3m	5m	10m
Port	M12 female 4-pole		

	<b>EXACT12 8-PORT, 5-POLE (2 signals per port)</b>		
PNP Art. Number	8000-88510-3980300	8000-88510-3980500	8000-88510-3981000
NPN Art. Number		8000-88511-3980500	8000-88511-3981000
PUR/PVC Cable Length	3m	5m	10m
Port	M12 female 5-pole		

## THREADED HOME RUN

	<b>M12 MULTI POLE</b> Home Run Connector		
Art. Number	8000-84470-0000000	8000-84560-0000000	8000-88460-0000000
Port	M12 4-port, 4-pole	M12 4-port, 5-pole	M12 8-port, 4-pole
Cable Type	8 pole, M12	12 pole, M12	

## CAP & CABLE

### EXACT<sub>12</sub> 4-PORT



<b>PNP Art. Number</b>	8000-84400-0000000	8000-84500-0000000
<b>NPN Art. Number</b>	8000-84401-0000000	8000-84501-0000000
<b>Without LED Art. Number</b>	8000-84402-0000000	8000-84502-0000000
<b>Port</b>	M12 female 4-pole	M12 female 5-pole
<b>Cap for Home Run Cable (Spring Clamp)</b>	8000-88549-0000000	

### EXACT<sub>12</sub> PLUG

with Integrated Cable for 4-port Distribution Systems



<b>Art. Number</b>	8000-84459-3330500	8000-84459-3331000	8000-84559-3630500	8000-84559-3631000
<b>Port</b>	4-port, 4-pole		4-port, 5-pole	
<b>Cable Length</b>	5m	10m	5m	10m
<b>Cap with Cable</b>	PUR/PVC 4 x .34 / 3 x .75mm <sup>2</sup>		PUR/PVC 8 x .34 / 3 x .75mm <sup>2</sup>	

### EXACT<sub>12</sub> 8-PORT



<b>PNP Art. Number</b>	8000-88400-0000000	8000-88500-0000000
<b>PNP With Field Wireable Cap</b>	8000-88450-0000000	8000-88550-0000000
<b>NPN Art. Number</b>	8000-88401-0000000	8000-88501-0000000
<b>Without LED Art. Number</b>	8000-88402-0000000	8000-88502-0000000
<b>Port</b>	M12 female 4-pole	M12 female 5-pole
<b>Cap for Home Run Cable (Spring Clamp)</b>	8000-88549-0000000	

### EXACT<sub>12</sub> PLUG

with Integrated Cable for 8-port Distribution Systems



<b>Art. Number</b>	8000-88459-3620500	8000-88459-3621000	8000-88559-3980500	8000-88559-3981000
<b>Port</b>	8-port, 4-pole		8-port, 5-pole	
<b>Cable Length</b>	5m	10m	5m	10m
<b>Cap with Cable</b>	PUR/PVC 8 x .34 / 3 x .75mm <sup>2</sup>		PUR/PVC 16 x .34 / 3 x .75mm <sup>2</sup>	



# M8 Distribution Boxes

## INTEGRATED CABLE

### 4-PORT



Art. Number	8000-84010-3370500	
Cable Length	5m	
Port	M8 Female, 3-pole, 4 port	

### 8-PORT



Art. Number	8000-88010-3590500	8000-88010-3591000
Cable Length	5m	10m
Port	M8 Female, 3-pole, 8 port	

### 10-PORT



Art. Number	8000-80010-3840500	8000-80010-3841000
Cable Length	5m	10m
Port	M8 Female, 3-pole, 10 port	

## 4-PORT M12 MULTI POLE HOMERUN



Art. Number	Port	Plug Connector M12
8000-84060-0000000	M8 female 3-pole	12-pole
8000-84070-0000000		8-pole
8000-84160-0000000	M8 female 4-pole	12-pole

## 8-PORT M12 MULTI POLE HOMERUN



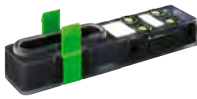
Art. Number	8000-88060-0000000
Port	M8 female 3-pole
Plug Connector M12	12-pole

## 10-PORT M12 MULTI POLE HOMERUN



Art. Number	8000-80060-0000000
Port	M8 female 3-pole
Plug Connector M12	12-pole

See pages 36-39 for M8 cable options. See page 31 for Homerun cable.



### EXACT8 PLUGGABLE HOUSING

Art. Number	Type	Port
8000-88000-0000000	8-port	M8 female, 3-pole
8000-80000-0000000	10-port	



### PLUGGABLE CAP & CABLE

Art. Number	8000-88049-3570500	8000-88049-3571000	8000-80049-3850500	8000-80049-3851000
Type	8-port		10-port	
General	For 3 pole distribution block connectivity			
Cable Type	PUR/PVC			
Cable Length	5m	10m	5m	10m
Cable Color	Gray			

## Distribution Box Accessories

### M8 PORT PLUG



Art. Number
3858627

### M12 PORT PLUG



Art. Number - Hex Nut
58627

## Application Savings - Junction vs. Distribution Box



### Junction Box Installation

- IP54 Seal
- Untested Connections
- Troubleshooting requires MultiMeter
- Many Components to Order and Track
- Increased Labor

#### Totals for 16 I/O Points:

Components = \$290.96

Min. Labor = 268

Total Cost = \$530.63



### Distribution Box Installation

- IP67 Seal
- Factory Tested Connections
- LED Indicators for Easy Diagnostics
- Reduced Size for Compact Installations
- Reduced Components
- Label Plates
- Quick and Easy Installation

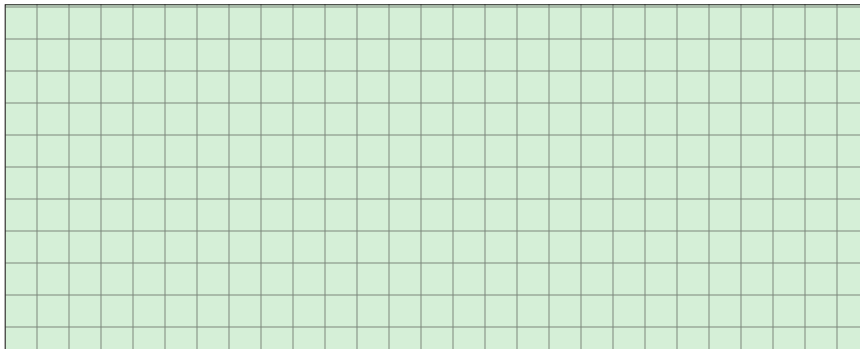
#### Totals for 16 I/O Points:

Components = \$303.88

Min. Labor = 12

**Total Cost = \$308.88 - 42% Savings**

#### Notes:





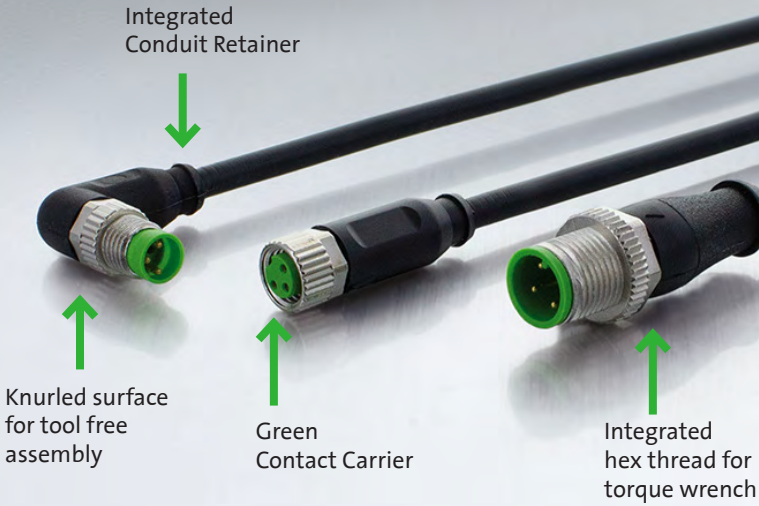
## Connectivity

In the field of sensor/actuator connectivity, Murrelektronik offers you an extremely wide range of cable types (PVC, PUR/PVC, PUR, Robotic and TPE) and colors (yellow, gray and black).

Our M8 and M12 round plugs are quick and easy to install. Murrelektronik's unique torque wrench ensures those connectors are tightened to precisely the right degree. Turn the wrench until it clicks and guarantee long-term, consistent connection quality with IP67 protection.

Valve connectors from Murrelektronik are designed for all types of valves, from A to CI. They are fitted with captive seals and have an integrated LED and protection circuit.





M12 Single Ended	29
M12 Double Ended	34
M8 Single Ended	36
M8 Double Ended	38
Torque Wrench	40
Ethernet	46
X-Coded M12	48
Mini (7/8")	50
L-Coded M12	53
Bulk Cable	56



# Cordsets by Murrelektronik



## M8 or M12

### Three Cable Colors

- Yellow
- Gray
- Black

### Five Cable Types

- PVC
- Robotic
- PUR/PVC
- TPE
- PUR



## Single Ended M12

### MALE STRAIGHT

Poles	Jacket Color	Cable Type	Length	Art. Number
	Yellow	PVC	5m	7000-12021-0140500
			10m	7000-12021-0141000
	Gray		3m	7000-12021-2140300
			5m	7000-12021-2140500
4	Gray	PUR/PVC	10m	7000-12021-2141000
			5m	7000-12021-2240500
	Yellow	PVC	10m	7000-12021-2241000
			3m	7000-12041-0150300
			5m	7000-12041-0150500
			10m	7000-12041-0151000





### MALE 90°

Poles	Jacket Color	Cable Type	Length	Art. Number
	Yellow	PVC	5m	7000-12101-0140500
			10m	7000-12101-0141000
	Gray		5m	7000-12101-2140500
			10m	7000-12101-2141000
4	Yellow	PVC	3m	7000-12121-0150300
			5m	7000-12121-0150500
			10m	7000-12121-0151000



## FEMALE STRAIGHT






Poles	Jacket Color	Cable Type	Length	Art. Number
 3	Yellow	PVC	5m	7000-12181-0130500
		PUR/PVC		7000-12181-0230500
	Gray	PVC		7000-12181-2130500
		PUR/PVC		7000-12181-2230500
 4	Yellow	PVC	2m	7000-12221-0140200
			5m	7000-12221-0140500
			10m	7000-12221-0141000
			15m	7000-12221-0141500
		PUR/PVC	5m	7000-12221-0240500
			10m	7000-12221-0241000
		PUR	5m	7000-12221-0340500
			10m	7000-12221-0341000
		TPE 22AWG 300V	1.5m	7700-12221-U040150
			3m	7700-12221-U040300
			5m	7700-12221-U040500
			10m	7700-12221-U041000
	TPE 18AWG 600V	1.5m	7700-12221-1500150	
		3m	7700-12221-1500300	
		5m	7700-12221-1500500	
		10m	7700-12221-1501000	
	Gray	PVC	2m	7000-12221-2140200
			5m	7000-12221-2140500
			10m	7000-12221-2141000
		PUR/PVC	5m	7000-12221-2240500
10m			7000-12221-2241000	
Black			PVC	2m
	5m	7000-12221-6140500		
	10m	7000-12221-6141000		

### Conversion Chart

AWG	30	28	26	24	22	21	20
mm <sup>2</sup>	.05	.08	.14	.25	.34	.38	.5
AWG	18	17	16	14	12	10	8
mm <sup>2</sup>	.75	1	1.5	2.5	4	6	10

## FEMALE STRAIGHT

Poles	Jacket Color	Cable Type	Length	Art. Number
 5	Yellow	PVC	5m	7000-12241-0150500
			10m	7000-12241-0151000
		PUR/PVC	5m	7000-12241-0250500
			10m	7000-12241-0251000
	Gray	PVC	5m	7000-12241-2150500
			10m	7000-12241-2151000
		PUR/PVC	5m	7000-12241-2250500
			10m	7000-12241-2251000
	Yellow	TPE 22AWG 300V	3m	7700-12241-U050300
			5m	7700-12241-U050500
			10m	7700-12241-U051000
		TPE 18 AWG 600V	3m	7700-12241-1610300
5m			7700-12241-1610500	
10m			7700-12241-1611000	
 8	Gray	PUR	3m	7000-17041-2920300
			5m	7000-17041-2920500
			10m	7000-17041-2921000
	Yellow	TPE 22AWG 300V	3m	7700-17041-U0H0300
			5m	7700-17041-U0H0500
			10m	7700-17041-U0H1000
 12	Black	PVC	3m	7000-19041-7020300
			5m	7000-19041-7020500
			10m	7000-19041-7021000





## Cable Types

Properties	PVC	PUR/PVC	PUR (Type 3)	TPE	PUR (Type 5)
Flame Retardant	✓	✓	✓	✓	✓
Chemical Resistant	✓	✓	✓	✓	✓
Oil Resistant		✓	✓	✓	✓
Welding				✓	✓
C-Track Flex Rating		2 million	10 million	10 million	10 million
Torsion Rating			±180°	±180°	±360°
UV Resistant			✓	✓	✓
Halogen Free			✓		✓
Temperatures	-5 to 80°C 23 to 176°F		-25 to 80°C -13 to 176°F	-40 to 105°C -40 to 221°F	-25 to 90°C -13 to 194°F
Application Examples	Packaging Food & Bev. Assembly & Prod. Lines	Packaging Handling Assembly & Prod. Lines	Mach. Tools Swivel Tables Metal Cutting	Automotive Assembly & Prod. Lines	Mach. Tools Ind. Robots Metal Cutting

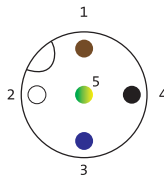
## FEMALE 90°



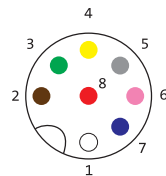
Poles	Jacket Color	Cable Type	Length	Art. Number
 3	Yellow	PVC	5m	7000-12321-0130500
		PUR/PVC	5m	7000-12321-0230500
	Gray	PVC	5m	7000-12321-2130500
			10m	7000-12321-2131000
		PUR/PVC	5m	7000-12321-2230500
	 4	Yellow	PVC	2m
5m				7000-12341-0140500
10m				7000-12341-0141000
PUR/PVC			5m	7000-12341-0240500
			10m	7000-12341-0241000
PUR			5m	7000-12341-0340500
			10m	7000-12341-0341000
TPE 22AWG 300V			3m	7700-12341-U040300
			5m	7700-12341-U040500
			10m	7700-12341-U041000
TPE 18AWG 600V			3m	7700-12341-1500300
			5m	7700-12341-1500500
		10m	7700-12341-1501000	
Gray		PVC	2m	7000-12341-2140200
			5m	7000-12341-2140500
			10m	7000-12341-2141000
		PUR/PVC	5m	7000-12341-2240500
			10m	7000-12341-2241000
	Black		PVC	2m
5m		7000-12341-6140500		
10m		7000-12341-6141000		
PUR	5m	7000-12341-6340500		
	10m	7000-12341-6341000		

## M12 Pin & Wire Color Assignments




1. Brown (+24)
2. White (N/O)
3. Blue (-)
4. Black (N/C)
5. Green/Yellow - Earth Ground



1. White
2. Brown
3. Green
4. Yellow
5. Gray
6. Pink
7. Blue
8. Red



## FEMALE 90°

Poles	Jacket Color	Cable Type	Length	Art. Number
 5	Yellow	PVC	5m	7000-12361-0150500
			10m	7000-12361-0151000
	Gray		3m	7000-12361-2150300
			5m	7000-12361-2150500
			10m	7000-12361-2151000
			PUR/PVC	5m
	10m	7000-12361-2251000		
	Yellow	TPE 18AWG 600V	3m	7700-12361-1610300
			5m	7700-12361-1610500
			10m	7700-12361-1611000
 8	Gray	PUR	3m	7000-17061-2950300
			5m	7000-17061-2950500
			10m	7000-17061-2951000
	Yellow	TPE 22AWG 300V	3m	7700-17061-U0H0300
			5m	7700-17061-U0H0500
			10m	7700-17061-U0H1000
 12	Black	PUR	3m	7000-19061-7050300
			5m	7000-19061-7050500
			10m	7000-19061-7051000



## M12 LED FEMALE 90°

Poles	Jacket Color	Cable Type	Length	Art. Number
3 with 2 x LED (PNP)	Yellow	PVC	3m	7000-12381-0130300
			5m	7000-12381-0130500
			10m	7000-12381-0131000
4 with 2 x LED (PNP)			3m	7000-12421-0140300
			5m	7000-12421-0140500
			10m	7000-12421-0141000





# Double Ended M12

## MALE STRAIGHT to FEMALE STRAIGHT



Poles	Jacket Color	Cable Type	Length	Art. Number
4	Yellow	PVC	.6m	7000-40021-0140060
			1m	7000-40021-0140100
			2m	7000-40021-0140200
			3m	7000-40021-0140300
			5m	7000-40021-0140500
			10m	7000-40021-0141000
	Gray	PUR/PVC	.6m	7000-40021-2240060
			1m	7000-40021-2240100
			2m	7000-40021-2240200
			3m	7000-40021-2240300
			5m	7000-40021-2240500
		PUR	.6m	7000-40021-2340060
	1m		7000-40021-2340100	
	2m		7000-40021-2340200	
	3m		7000-40021-2340300	
	5m		7000-40021-2340500	
	Yellow	TPE 22AWG 300V	.6m	7700-40021-U040060
			1m	7700-40021-U040100
2m			7700-40021-U040200	
3m			7700-40021-U040300	
5m			7700-40021-U040500	
10m			7700-40021-U041000	
TPE 18AWG 600V		.6m	7700-40021-1500060	
		1m	7700-40021-1500100	
		2m	7700-40021-1500200	
		3m	7700-40021-1500300	
		5m	7700-40021-1500500	
		10m	7700-40021-1501000	
5	Yellow	TPE 18AWG 600V	1m	7700-40041-1610100
			2m	7700-40041-1610200
			3m	7700-40041-1610300
			5m	7700-40041-1610500
			10m	7700-40041-1611000

## MALE STRAIGHT to FEMALE 90°

Poles	Jacket Color	Cable Type	Length	Art. Number
4	Yellow	PVC	.3m	7000-40121-0140030
			.6m	7000-40121-0140060
			1m	7000-40121-0140100
			1.5m	7000-40121-0140150
			2m	7000-40121-0140200
			5m	7000-40121-0140500
	Gray	PUR/PVC	.6m	7000-40121-2240060
			1m	7000-40121-2240100
			2m	7000-40121-2240200
			3m	7000-40121-2240300
			5m	7000-40121-2240500
		PUR	.3m	7000-40121-2340030
			.6m	7000-40121-2340060
			1m	7000-40121-2340100
	Yellow	TPE 22AWG 300V	1.5m	7000-40121-2340150
			2m	7000-40121-2340200
			.6m	7700-40121-U040060
			1m	7700-40121-U040100
			2m	7700-40121-U040200
			3m	7700-40121-U040300
TPE 18AWG 600V		5m	7700-40121-U040500	
		10m	7700-40121-U041000	
		.6m	7700-40121-1500060	
		1m	7700-40121-1500100	
		2m	7700-40121-1500200	
		3m	7700-40121-1500300	
		5m	7700-40121-1500500	
		10m	7700-40121-1501000	



## MALE 90° to FEMALE STRAIGHT

Poles	Jacket Color	Cable Type	Length	Art. Number
4	Yellow	TPE 22AWG 300V	.6m	7700-40201-U040060
			1m	7700-40201-U040100
			2m	7700-40201-U040200
			3m	7700-40201-U040300
			5m	7700-40201-U040500



## MALE 90° to FEMALE 90°



Poles	Jacket Color	Cable Type	Length	Art. Number
4	Yellow	TPE 22AWG 300V	1m	7700-40261-U040100
			2m	7700-40261-U040200
			3m	7700-40261-U040300
			5m	7700-40261-U040500

## M12 MALE STRAIGHT to M8 FEMALE STRAIGHT




Poles	Jacket Color	Cable Type	Length	Art. Number
3	Yellow	TPE 22AWG 300V	1m	7700-40561-U030100
			2m	7700-40561-U030200
			3m	7700-40561-U030300


## Single Ended M8

### MALE STRAIGHT




Poles	Jacket Color	Cable Type	Length	Art. Number
 4	Yellow	PVC	5m	7000-08001-0100500
	Gray		.6m	7000-08001-2100060
			1.5m	7000-08001-2100150
			3m	7000-08001-2100300
			5m	7000-08001-2100500
3	Gray	PUR	10m	7000-08001-2301000
4		Yellow	PVC	5m
	Gray	7000-08011-2110500		

## FEMALE STRAIGHT

Poles	Jacket Color	Cable Type	Length	Art. Number	
	Yellow	PVC	3m	7000-08041-0100300	
			5m	7000-08041-0100500	
			10m	7000-08041-0101000	
	Gray	PUR	PVC	5m	7000-08041-0300500
				10m	7000-08041-2100500
		PUR/PVC	PVC	3m	7000-08041-2200300
				5m	7000-08041-2200500
				10m	7000-08041-2201000
		PUR	PVC	3m	7000-08041-2300300
				5m	7000-08041-2300500
				10m	7000-08041-2301000
		Black	PVC	5m	7000-08041-6100500
10m	7000-08041-6101000				
4	Yellow	PVC	5m	7000-08041-6300500	
	Gray			7000-08061-0110500	
		PUR/PVC		7000-08061-2110500	
	7000-08061-2210500				



## FEMALE 90°

Poles	Jacket Color	Cable Type	Length	Art. Number
	Yellow	PVC	3m	7000-08081-0100300
			5m	7000-08081-0100500
			10m	7000-08081-0101000
	Gray		5m	7000-08081-2100500
			10m	7000-08081-2101000
	Black		5m	7000-08081-6100500
			10m	7000-08081-6101000
3	Gray	PUR/PVC	5m	7000-08081-2200500
4	Yellow	PVC	5m	7000-08101-0110500
	Gray			7000-08101-2110500



# Double Ended M8

## 3-pole MALE STRAIGHT to FEMALE STRAIGHT



Cable Type	Jacket Color	Length	Art. Number	
PVC	Yellow	.3m	7000-88001-0100030	
		.6m	7000-88001-0100060	
		1m	7000-88001-0100100	
		1.5m	7000-88001-0100150	
		2m	7000-88001-0100200	
PUR/PVC		.3m	7000-88001-0200030	
		.6m	7000-88001-0200060	
		1m	7000-88001-0200100	
		1.5m	7000-88001-0200150	
		2m	7000-88001-0200200	
High Flex PUR		3m	7000-88001-0200300	
		1m	7000-88001-0300100	
		1.5m	7000-88001-0300150	
High Flex PUR		2m	7000-88001-0300200	
		5m	7000-88001-0300500	
	PUR/PVC	Gray	.3m	7000-88001-2200030
			.6m	7000-88001-2200060
1m			7000-88001-2200100	
1.5m			7000-88001-2200150	
2m			7000-88001-2200200	
		5m	7000-88001-2200500	

## 3-pole M8 MALE STRAIGHT to M12 FEMALE STRAIGHT



Cable Type	Jacket Color	Length	Art. Number
PUR/PVC	Gray	.3m	7000-88241-2200030
		.6m	7000-88241-2200060
		1m	7000-88241-2200100
		1.5m	7000-88241-2200150
		2m	7000-88241-2200200



### 3-pole M8 MALE STRAIGHT to M8 FEMALE 90°

Cable Type	Jacket Color	Length	Art. Number
PVC	Yellow	.6m	7000-88021-0100060
		1m	7000-88021-0100100
		2m	7000-88021-0100200
PUR		1m	7000-88021-0300100
		1.5m	7000-88021-0300150
		2m	7000-88021-0300200
PUR/PVC	Gray	.3m	7000-88021-2200030
		.6m	7000-88021-2200060
		1m	7000-88021-2200100
		1.5m	7000-88021-2200150
		2m	7000-88021-2200200
		3m	7000-88021-2200300



### 3-pole M8 MALE STRAIGHT to M12 FEMALE 90°

Cable Type	Jacket Color	Length	Art. Number
PUR/PVC	Gray	.3m	7000-88261-2200030
		.6m	7000-88261-2200060
		1m	7000-88261-2200100
		1.5m	7000-88261-2200150
		2m	7000-88261-2200200





## Torque Wrench

Murrelektronik's unique torque wrench ensures connectors are tightened to precisely the right degree. Turn the wrench until it clicks and guarantee long-term, consistent connection quality with IP67 protection.

### M8 TORQUE WRENCH

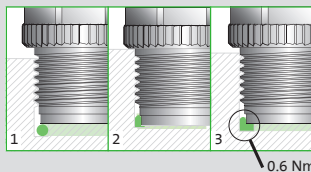
Art. No. 7000-99101-0000000

### M12 TORQUE WRENCH

Art. No. 7000-99102-0000000

### Mini (7/8") TORQUE WRENCH

Art. No. 7000-99105-0000000



The practical torque wrench connects all Murrelektronik M8 & M12 connectors simply and tightly, leaving no room for error.

1. Connector is not screwed tight. Medium can penetrate between connector and O-ring.

2. Connector is screwed too tight. O-ring is destroyed and medium can penetrate between connector and O-ring.

3. M12 connector is best tightened to 0.6 Nm. *Then it's sealed tight!*

# Receptacles

## M12 FRONT MOUNT (Mounting Nut Included)

Type	Poles	Cable Length	Art. Number
Male	4	.5m	7000-13502-9710050
Female			7000-13542-9710050
Male	5		7000-13522-9720050
Female			7000-13562-9720050



## M8 FRONT MOUNT (Mounting Nut Included)

Type	Poles	Cable Length	Art. Number
Male	3	.5m	7000-08553-9700050
Female			7000-08573-9700050
Male	4		7000-08563-9690050
Female			7000-08583-9690050



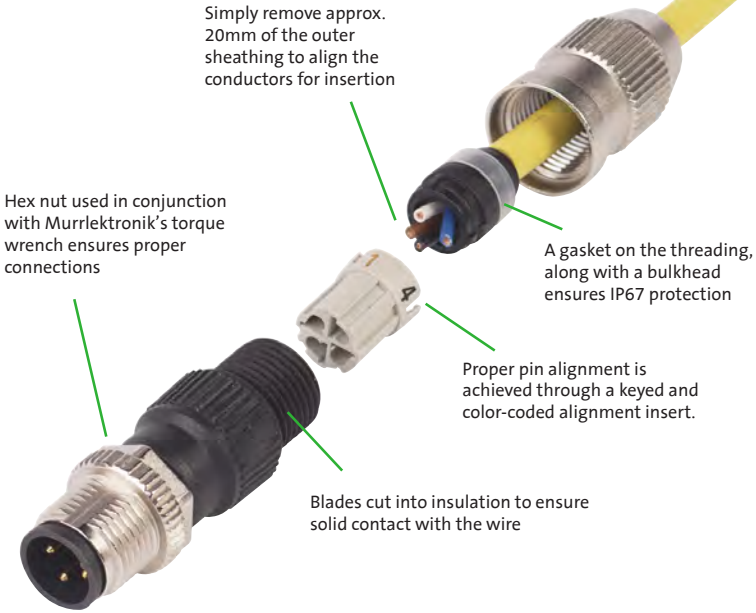
## M12 REAR MOUNT (Mounting Nut Included)

Type	Poles	Cable Length	Art. Number
Male	4	.5m	7000-13505-9710050
Female			7000-13545-9710050
Male	5		7000-13525-9720050
Female			7000-13565-9720050
Male	8		7000-17165-9730050
Female			7000-17185-9730050
Male	12		7000-19165-9790050
Female			7000-19185-9790050



# IDC: Insulation Displacement Connectors

Murrelektronik's Insulation Displacement Connectors (IDC) are a fast and easy way to terminate cables with either M8 or M12 connections. These robust connectors are rated to IP67 and can stand up to tough industrial environments.



## M12 IDC



Pole	Wire Diameter (AWG)	Art. Number
3-pole (Male)	.25 - .5mm <sup>2</sup> (24 - 20)	7000-12461-0000000
4-pole (Male)		7000-12481-0000000
3-pole (Female)		7000-12581-0000000
4-pole (Female)		7000-12601-0000000

## M12 IDC 90°



Pole	Wire Diameter (AWG)	Art. Number
3-pole (Male)	.25 - .5mm <sup>2</sup> (24 - 20)	7000-12541-0000000
4-pole (Male)		7000-12561-0000000
3-pole (Female)		7000-12661-0000000
4-pole (Female)		7000-12681-0000000

### M12 SCREW TERMINAL

Pole	Wire Diameter (AWG)	Art. Number
4-pole (Male)	max .75mm <sup>2</sup> (18)	7000-12701-0000000
5-pole (Male)		7000-12721-0000000
4-pole (Female)		7000-12901-0000000
4-pole (Male)		7000-12741-0000000
5-pole (Male)		7000-12761-0000000
5-pole (Female)		7000-12961-0000000
8-pole (Female)	max .5mm <sup>2</sup> (20)	7000-17321-0000000



### M12 SCREW TERMINAL 90°

Pole	Wire Diameter (AWG)	Art. Number
4-pole (Male)	max .75mm <sup>2</sup> (18)	7000-12821-0000000
5-pole (Male)		7000-12841-0000000
4-pole (Female)		7000-12981-0000000
5-pole (Female)		7000-13001-0000000



### M12 SCREW TERMINAL Y-CONNECTOR

Pole	Wire Diameter (AWG)	Art. Number
4-pole (Male)	.75mm <sup>2</sup> (18)	7000-12781-0000000
5-pole (Male)		7000-12801-0000000



### M8 IDC STRAIGHT

Pole	Wire Diameter (AWG)	Art. Number
3-pole (Male)	.25 - .5mm <sup>2</sup> (24 - 20)	7000-08325-0000000
3-pole (Female)		7000-08365-0000000
4-pole (Male)		7000-08345-0000000
4-pole (Female)		7000-08385-0000000
3-pole (Male)	.14 - .34mm <sup>2</sup> (26 - 22)	7000-08331-0000000



### M8 SCREW TERMINAL STRAIGHT

Pole	Wire Diameter (AWG)	Art. Number
3-pole (Male)	.14 - .5mm <sup>2</sup> (26 - 20)	7000-08601-0000000
3-pole (Female)		7000-08621-0000000
4-pole (Male)		7000-08611-0000000
4-pole (Female)		7000-08631-0000000



# T-Splitter

## M12-M12



Art. Number	7000-41121-0000000	7000-41181-0000000
Pole	5	
Circuit Diagram		
Circuit	Standard	Standard with Signal Bridge

## M12-M12 (Slim Line) with Fixed Coupling Nut



Art. Number	7000-41131-0000000	7000-41191-0000000	7000-41135-0000000
Pole	5		5 with LED
Circuit Diagram			
Circuit	Standard	Standard with Signal Bridge	Standard with LED

## M12-M8 (Slim Line)



Art. Number	7000-41211-0000000	7000-41231-0000000
Pole	4	3
Circuit Diagram		
Circuit	Standard	Parallel

# Y-Distributor

## M12-M12

Jacket Color	Cable Type	Length	Art. Number
Yellow	PVC	.15m	7000-40701-0130015
		.3m	7000-40701-0130030
		.6m	7000-40701-0130060
		1m	7000-40701-0130100
		2m	7000-40701-0130200
		3m	7000-40701-0130300

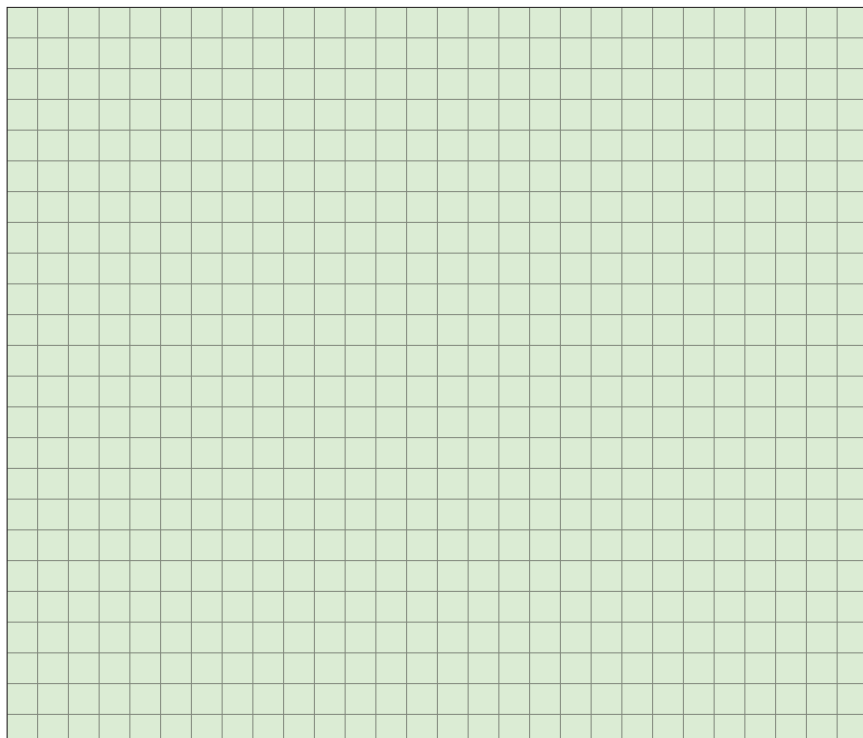


## M12-M8

Jacket Color	Cable Type	Cable Length	Art. Number
Yellow	PUR/PVC	.3m	7000-40821-0200030
		.6m	7000-40821-0200060



## Notes:





# CAT5e Ethernet Cable

EtherNet/IP

EtherCAT

Modbus

PROFINET

## M12 - M12



Poles	Jacket Color	Cable Type	Length	Art. Number
4	Green	PUR (UL/CSA)	1.5m	7000-44511-7960150
			3m	7000-44511-7960300
		Suitable for C-tracks	5m	7000-44511-7960500
			7.5m	7000-44511-7960750
			10m	7000-44511-7961000
	Teal	TPE c(UL)us	1.5m	7700-44511-S7V0150
			3m	7700-44511-S7V0300
		ITC/PLTC AWM 80°C 600V	5m	7700-44511-S7V0500
			7.5m	7700-44511-S7V0750
			10m	7700-44511-S7V1000
8	Teal	TPE c(UL)us	1.5m	7700-44511-S4U0150
			3m	7700-44511-S4U0300
			5m	7700-44511-S4U0500
		Type CM AWM 80°C 600V	7.5m	7700-44511-S4U0750
			10m	7700-44511-S4U1000
			1.5m	7700-48511-S4W0150
			3m	7700-48511-S4W0300
5m	7700-48511-S4W0500			
7.5m	7700-48511-S4W0750			
10m	7700-48511-S4W1000			

Code	Wires	Use	Cable Description
S4U	4	Ethernet/IP	High Flex Industrial Ethernet, CAT5e, SF/UTP 2-Pair 24AWG C(UL)US CMX Outdoor - CM 75C Sunlight Resistant Oil Res II or AWM2463 80C 600V
S4W	8	Ind. Ethernet	High Flex Industrial Ethernet, CAT5e, SF/UTP 4-Pair 24AWG C(UL)US CMX Outdoor - CM 75C Sunlight Resistant Oil Res II or AWM2463 80C 600V
S7V	4	ProfiNet	High Flex Industrial Ethernet, Profinet Type B and C, CAT5e, SF/UTP 2-Pair 22AWG C(UL)US CMX Outdoor - CM ITC/PLTC 75C Sunlight Resistant Oil Res II or AWM2463 80C 600V

## M12 - RJ45

Poles	Jacket Color	Cable Type	Length	Art. Number
4	Green	PUR (UL/CSA)	1.5m	7000-44711-7960150
			3m	7000-44711-7960300
		Suitable for C-tracks	5m	7000-44711-7960500
			7.5m	7000-44711-7960750
			10m	7000-44711-7961000
	Teal	TPE c(UL)us	1.5m	7700-44711-S7V0150
			3m	7700-44711-S7V0300
		ITC/PLTC AWM 80°C 600V	5m	7700-44711-S7V0500
			7.5m	7700-44711-S7V0750
			10m	7700-44711-S7V1000
8	Teal	Type CM AWM 80°C 600V	1.5m	7700-44711-S4U0150
			3m	7700-44711-S4U0300
			5m	7700-44711-S4U0500
			7.5m	7700-44711-S4U0750
			10m	7700-44711-S4U1000
			10m	7700-48521-S4W0150
			3m	7700-48521-S4W0300
			5m	7700-48521-S4W0500
			7.5m	7700-48521-S4W0750
			10m	7700-48521-S4W1000



## RJ45 - RJ45

Poles	Jacket Color	Cable Type	Length	Art. Number
4	Green	PUR (UL/CSA)	1.5m	7000-74301-7960150
			3m	7000-74301-7960300
		Suitable for C-tracks	5m	7000-74301-7960500
			7.5m	7000-74301-7960750
			10m	7000-74301-7961000
	Teal	TPE c(UL)us	1.5m	7700-74301-S7V0150
			3m	7700-74301-S7V0300
		ITC/PLTC AWM 80°C 600V	5m	7700-74301-S7V0500
			7.5m	7700-74301-S7V0750
			10m	7700-74301-S7V1000
8	Teal	Type CM AWM 80°C 600V	1.5m	7700-74301-S4U0150
			3m	7700-74301-S4U0300
			5m	7700-74301-S4U0500
			7.5m	7700-74301-S4U0750
			10m	7700-74301-S4U1000
			10m	7700-74718-S4W0150
			3m	7700-74718-S4W0300
			5m	7700-74718-S4W0500
			7.5m	7700-74718-S4W0750
			10m	7700-74718-S4W1000



## RJ45 CABINET CABLES (Cat 6<sub>A</sub> - 10Gbit/s)



Cable	Jacket Color	Cable Type	Length	Art. Number
.14m <sup>2</sup> wire cross section (AWG26)	Gray	FRNC/LSOH	.3m	7000-74711-7780030
			.6m	7000-74711-7780060
			1m	7000-74711-7780100
			3m	7000-74711-7780300
			5m	7000-74711-7780500
			7.5m	7000-74711-7780750
			10m	7000-74711-7781000

## M12 X-coded Cable

### M12 - M12



Poles	Jacket Color	Cable Type	Length	Art. Number
 8	Green	PUR (UL/CSA)	2m	7000-51001-7900200
			5m	7000-51001-7900500
			10m	7000-51001-7901000
	Teal	TPE c(UL)us	2m	7700-51001-S4X0200
			5m	7700-51001-S4X0500
			10m	7700-51001-S4X1000

### M12 - RJ45



Poles	Jacket Color	Cable Type	Length	Art. Number
 8	Green	PUR (UL/CSA)	2m	7000-51101-7900200
			5m	7000-51101-7900500
			10m	7000-51101-7901000
	Teal	TPE c(UL)us	2m	7700-51101-S4X0200
			5m	7700-51101-S4X0500
			10m	7700-51101-S4X1000

### FEMALE RECEPTACLE - RJ45



Poles	Jacket Color	Cable Type	Length	Art. Number
 8	Green	PUR (UL/CSA)	1m	7000-51551-7900100
			2m	7000-51551-7900200
			5m	7000-51551-7900500
	Teal	TPE c(UL)us	1m	7700-51551-S4X0100
			2m	7700-51551-S4X0200
			5m	7700-51551-S4X0500

## RJ45 Pro - Field Wireable Connectors



- Straight or angled (4 in 1)
- Safer and easier insulation displacement connection (IDC) terminal
- Wire cross section .14 - .34mm<sup>2</sup>
- CAT 5e (ProfiNet, Ethernet) or CAT 6<sub>A</sub> (Gigabit)



Type	Art. Number
Straight 4-pole Profinet/Ethernet, IDC	7000-74001-0000000
Straight 8-pole Gigabit, IDC	7000-74011-0000000
90° (4 in 1) 4-pole Profinet/Ethernet, IDC	7000-74021-0000000
90° (4 in 1) 8-pole Gigabit, IDC	7000-74031-0000000



## RJ45 & USB PANEL PASS-THROUGH

Art. Number	Style
4000-73000-0010000	RJ45 (female/female), CAT 5e
4000-73000-0150000	USB 3.0 Female (form A) .6m cable extension
7000-44671-0000000	RJ45/M12 receptacle straight, D coded
7000-44681-0000000	RJ45/M12 receptacle 90°, D coded
7000-44611-0000000	M12/M12 4-pole, D coded



# Mini (7/8") Single Ended Cable

## FEMALE STRAIGHT



Poles	Cable Type	Length	Jacket Color	Art. Number
3	TPE	1.5m	Yellow	7700-A3021-U1B0150
		3m		7700-A3021-U1B0300
		5m		7700-A3021-U1B0500
		10m		7700-A3021-U1B1000
	PVC	1.5m		7700-A3021-UBB0150
		3m		7700-A3021-UBB0300
		5m		7700-A3021-UBB0500
		10m		7700-A3021-UBB1000
4	TPE	1.5m		7700-A4021-U1C0150
		3m		7700-A4021-U1C0300
		5m		7700-A4021-U1C0500
		10m		7700-A4021-U1C1000
5	TPE	1.5m		7700-A5021-U1D0150
		3m		7700-A5021-U1D0300
		5m		7700-A5021-U1D0500
		10m		7700-A5021-U1D1000

## FEMALE 90°



Poles	Cable Type	Length	Jacket Color	Art. Number
3	TPE	1.5m	Yellow	7700-A3031-U1B0150
		3m		7700-A3031-U1B0300
		5m		7700-A3031-U1B0500
		10m		7700-A3031-U1B1000
	PVC	1.5m		7700-A3031-UBB0150
		3m		7700-A3031-UBB0300
		5m		7700-A3031-UBB0500
		10m		7700-A3031-UBB1000
4	TPE	1.5m		7700-A4031-U1C0150
		3m		7700-A4031-U1C0300
		5m		7700-A4031-U1C0500
		10m		7700-A4031-U1C1000
5	TPE	1.5m		7700-A5031-U1D0150
		3m		7700-A5031-U1D0300
		5m		7700-A5031-U1D0500
		10m		7700-A5031-U1D1000

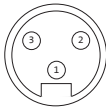
# Mini (7/8") Double Ended Cable

## MALE STRAIGHT TO FEMALE STRAIGHT

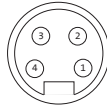
Poles	Cable Type	Length	Jacket Color	Art. Number
3	TPE	.3m	Yellow	7700-A3A01-U1B0030
		.6m		7700-A3A01-U1B0060
		1m		7700-A3A01-U1B0100
		2m		7700-A3A01-U1B0200
		3m		7700-A3A01-U1B0300
		5m		7700-A3A01-U1B0500
		10m		7700-A3A01-U1B1000
		4		TPE
.6m	7700-A4A01-U1C0060			
1m	7700-A4A01-U1C0100			
2m	7700-A4A01-U1C0200			
3m	7700-A4A01-U1C0300			
5m	7700-A4A01-U1C0500			
10m	7700-A4A01-U1C1000			
5	TPE			
		.6m		7700-A5A01-U1D0060
		1m		7700-A5A01-U1D0100
		2m		7700-A5A01-U1D0200
		3m		7700-A5A01-U1D0300
		5m		7700-A5A01-U1D0500
		10m		7700-A5A01-U1D1000



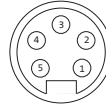
### Pin Outs



3-Pole



4-Pole



5-Pole

### Color Code

#### 3-pole

1. Green
2. Black
3. White

#### 4-pole

1. Black
2. White
3. Red
4. Green

#### 5-pole

1. White
2. Red
3. Green
4. Orange
5. Black

## Mini (7/8") Receptacles

### 3-pole, 1/2" NPT, PVC, IEC Colors

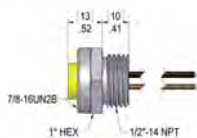
Gender	Wire Gauge	L = .5m	L = 2m
		Article Number	Article Number
Male (Ext.) Str.	16AWG	MURE-3MR-0.5M	MURE-3MR-2M
Female (Int.) Str.	16AWG	MURE-3FR-0.5M	MURE-3FR-2M

### 4-pole, 1/2" NPT, PVC, IEC Colors

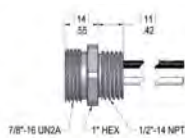
Gender	Wire Gauge	L = .5m	L = 2m
		Article Number	Article Number
Male (Ext.) Str.	16AWG	MURC-4MR-0.5M	MURC-4MR-2M
Female (Int.) Str.	16AWG	MURC-4FR-0.5M	MURC-4FR-2M

### 5-pole, 1/2" NPT, PVC, IEC Colors

Gender	Wire Gauge	L = .5m	L = 2m
		Article Number	Article Number
Male (Ext.) Str.	16AWG	MURE-5MR-0.5M	MURE-5MR-2M
Female (Int.) Str.	16AWG	MURE-5FR-0.5M	MURE-5FR-2M



Female (Int.) Straight



Male (Ext.) Straight

## Mini (7/8") T-Couplers



Description	Color	Article Number
5-pole T, Male (Ext.) / 2 x Female	Yellow	7700-A5T01-0000000
4-pole T, Male (Ext.) / 2 x Female	Yellow	7700-A4T01-0000000
3-pole T, Male (Ext.) / 2 x Female	Yellow	7700-A3T01-0000000
3-pole T, Male (Ext.) / 2 x Female	Red	7700-A3T05-0000000

## Mini (7/8") Field Wireables

Poles	AWG Range	Cable O.D. Range	Female Straight (Female Threads)	Male Straight (Male Threads)
3	14-22	5 - 13mm	MUR-3FP-FW	MUR-3MPM-FW
4			MUR-4FP-FW	MUR-4MPM-FW
5			MUR-5FP-FW	MUR-5MPM-FW



# L-coded M12 Power

## MALE STRAIGHT

Poles	Cable Type	Length	Jacket Color	Art. Number
4	16AWG TPE	5m	Yellow	7700-P4101-U0C0500
		10m		7700-P4101-U0C1000
	14AWG TPE	5m		7700-P4101-U0N0500
		10m		7700-P4101-U0N1000
5	16AWG TPE	5m		7700-P4201-U0D0500
		10m		7700-P4201-U0D1000
	14AWG TPE	5m		7700-P4201-U0P0500
		10m		7700-P4201-U0P1000



## MALE 90°

Poles	Cable Type	Length	Jacket Color	Art. Number
4	16AWG TPE	5m	Yellow	7700-P4111-U0C0500
		10m		7700-P4111-U0C1000
5		5m		7700-P4211-U0D0500
		10m		7700-P4211-U0D1000



## FEMALE STRAIGHT

Poles	Cable Type	Length	Jacket Color	Art. Number
4	16AWG TPE	3m	Yellow	7700-P4121-U0C0300
		5m		7700-P4121-U0C0500
		10m		7700-P4121-U0C1000
	14AWG TPE	3m		7700-P4121-U0N0300
		5m		7700-P4121-U0N0500
		10m		7700-P4121-U0N1000
5	16AWG TPE	3m		7700-P4221-U0D0300
		5m		7700-P4221-U0D0500
		10m		7700-P4221-U0D1000
	14AWG TPE	3m		7700-P4221-U0P0300
		5m		7700-P4221-U0P0500
		10m		7700-P4221-U0P1000



## FEMALE 90°

Poles	Cable Type	Length	Jacket Color	Art. Number
4	16AWG TPE	3m	Yellow	7700-P4131-U0C0300
		5m		7700-P4131-U0C0500
		10m		7700-P4131-U0C1000
5	16AWG TPE	3m		7700-P4231-U0D0300
		5m		7700-P4231-U0D0500
		10m		7700-P4231-U0D1000



### MALE STRAIGHT TO FEMALE STRAIGHT



Poles	Cable Type	Length	Jacket Color	Art. Number
4	16AWG TPE	3m	Yellow	7700-P4141-U0C0300
		5m		7700-P4141-U0C0500
		10m		7700-P4141-U0C1000
	14AWG TPE	3m		7700-P4141-U0N0300
		5m		7700-P4141-U0N0500
		10m		7700-P4141-U0N1000
5	16AWG TPE	3m		7700-P4241-U0D0300
		5m		7700-P4241-U0D0500
		10m		7700-P4241-U0D1000
	14AWG TPE	3m		7700-P4241-U0P0300
		5m		7700-P4241-U0P0500
		10m		7700-P4241-U0P1000

### MALE STRAIGHT TO FEMALE 90°



Poles	Cable Type	Length	Jacket Color	Art. Number
4	16AWG TPE	3m	Yellow	7700-P4151-U0C0300
		5m		7700-P4151-U0C0500
		10m		7700-P4151-U0C1000
5		3m		7700-P4251-U0D0300
		5m		7700-P4251-U0D0500
		10m		7700-P4251-U0D1000

### MALE 90° TO FEMALE STRAIGHT



Poles	Cable Type	Length	Jacket Color	Art. Number
4	16AWG TPE	3m	Yellow	7700-P4161-U0C0300
		5m		7700-P4161-U0C0500
		10m		7700-P4161-U0C1000
5		3m		7700-P4261-U0D0300
		5m		7700-P4261-U0D0500
		10m		7700-P4261-U0D1000

### MALE 90° TO FEMALE 90°



Poles	Cable Type	Length	Jacket Color	Art. Number
4	16AWG TPE	3m	Yellow	7700-P4171-U0C0300
		5m		7700-P4171-U0C0500
		10m		7700-P4171-U0C1000
5		3m		7700-P4271-U0D0300
		5m		7700-P4271-U0D0500
		10m		7700-P4271-U0D1000

## Receptacles and T-Coupler

Poles	Wire Gauge	Length	Gender	Article Number
4	16AWG	.5m	Male	7000-P4182-9440050
		1m		7000-P4182-9440100
		.5m	Female	7000-P4192-9440050
		1m		7000-P4192-9440100
5		.5m	Male	7000-P4282-9800050
		1m		7000-P4282-9800100
		.5m	Female	7000-P4292-9800050
		1m		7000-P4292-9800100



Description	Article Number
5-pole	7000-P4901-0000000



## Field Wireables

Description	Article Number
5-pole Male, Screw Terminal	7000-P4591-0000000
5-pole Female, Screw Terminal	7000-P4611-0000000



# Bulk Cable

## SENSOR



Poles	Cable Type	Length	Wire Gauge	Jacket Color	Art. No.
4	PVC	100m	22AWG	Yellow	7000-C0101--0140000
				Gray	7000-C0101--2140000
				Black	7000-C0101--6140000
	PUR/PVC			Gray	7000-C0101--2240000
				Black	7000-C0101--6240000
					7000-C0101--6340000

## NETWORK



Poles	Cable Type	Length	Jacket Color	Art. No.
2x2x24AWG	TPE	100m	Teal	7700-C0201-S4U0000
		500m		7700-C0505-S4U0000
4x2x24AWG		100m		7700-C0201-S4W0000
		500m		7700-C0505-S4W0000
2x2x22AWG	PUR	100m	Green	7000-C0201-7960000

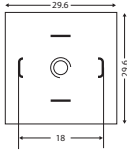
## POWER



Poles	Cable Type	Length	Wire Gauge	Jacket Color	Art. No.
3	TPE	500m	16AWG	Yellow	7700-C0705-U1B0000
4					7700-C0705-U0C0000
					7700-C0705-U1C0000
5					7700-C0705-U0D0000
					7700-C0705-U1D0000

# Valve Plugs

## FORM A (18mm) Molded Cable, Flying Leads



### 24V AC/DC WITH LED

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	3m	Gray	7000-18001-2160300
	5m		7000-18001-2160500

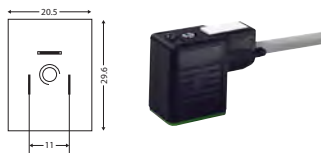
### 24V AC/DC WITH LED & SUPPRESSION

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	1.5m	Yellow	7000-18021-0160150
	3m		7000-18021-0160300
	5m		7000-18021-0160500
	1.5m	Gray	7000-18021-2160150
	3m		7000-18021-2160300
	5m		7000-18021-2160500
	10m		7000-18021-2161000
	3m	Black	7000-18021-6160300
5m	7000-18021-6160500		

### 110V AC/DC WITH LED & SUPPRESSION

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	1.5m	Yellow	7000-18041-0160150
	3m		7000-18041-0160300
	5m		7000-18041-0160500
	1.5m	Gray	7000-18041-2160150
	3m		7000-18041-2160300
	5m		7000-18041-2160500
	10m		7000-18041-2161000
	3m	Black	7000-18041-6160300
5m	7000-18041-6160500		

## FORM BI (11mm) Molded Cable, Flying Leads



### 0-230V AC/DC, WITHOUT LED & SUPPRESSION

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	3m	Gray	7000-11061-2160300
	5m		7000-11061-2160500
	3m	Black	7000-11061-6160300

### 24V AC/DC, LED & SUPPRESSION

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	3m	Gray	7000-11021-2160300
	5m		7000-11021-2160500
	10m		7000-11021-2161000
	3m	Black	7000-11021-6160300
	5m		7000-11021-6160500

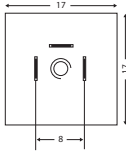
### 110V AC/DC WITH LED & SUPPRESSION

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	3m	Gray	7000-11041-2160300
	5m		7000-11041-2160500
	10m		7000-11041-2161000
	3m	Black	7000-11041-6160300
	5m		7000-11041-6160500

### 24V AC/DC, LED, SUPPRESSION, 180°, PE OPPOSITE CABLE ENTRY

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	3m	Gray	7000-11081-2160300
	5m		7000-11081-2160500
	10m		7000-11081-2161000
	5m	Black	7000-11081-6160500

**FORM C (8mm)**  
**Molded Cable, Flying Leads**



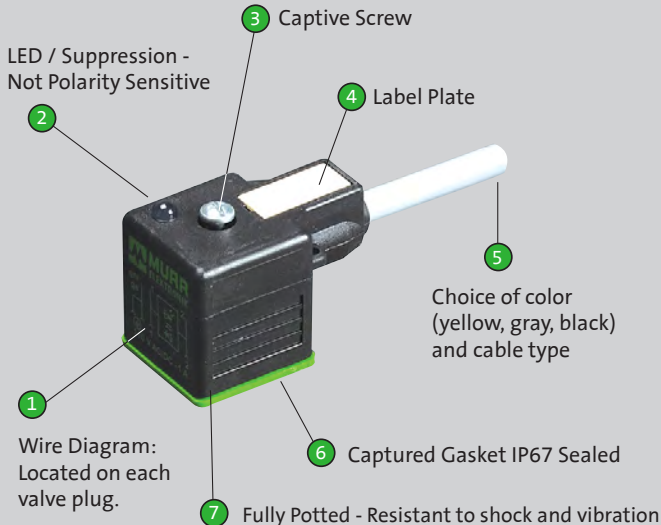
**24V AC/DC WITH LED & SUPPRESSION**

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	3m	Gray	7000-80021-2160300
	5m		7000-80021-2160500
	10m		7000-80021-2161000

**110V AC/DC WITH LED & SUPPRESSION**

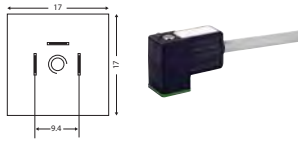
Cable Type	Cable Length	Jacket Color	Art. Number
PVC	3m	Gray	7000-80041-2160300
	5m		7000-80041-2160500
	10m		7000-80041-2161000

What makes a Murrelektronik Valve Plug a Murrelektronik Valve Plug...





## FORM CI (9.4mm) Molded Cable, Flying Leads



### 0-230V AC/DC, WITHOUT ELECTRONICS

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	3m	Gray	7000-94061-2160300
	5m		7000-94061-2160500
	1.5m	Black	7000-94061-6160150
	3m		7000-94061-6160300
	5m		7000-94061-6160500

### 24V AC/DC, LED ONLY

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	1.5m	Gray	7000-94001-2160150
	1.5m	Black	7000-94001-6160150
	3m		7000-94001-6160300

### 24V AC/DC WITH LED & SUPPRESSION

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	1.5m	Gray	7000-94021-2160150
	3m		7000-94021-2160300
	5m		7000-94021-2160500
	3m	Black	7000-94021-6160300
	5m		7000-94021-6160500

### 110V AC/DC WITH LED & SUPPRESSION

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	1.5m	Gray	7000-94041-2160150
	3m		7000-94041-2160300
	5m		7000-94041-2160500
	1.5m	Black	7000-94041-6160150
	3m		7000-94041-6160300
	5m		7000-94041-6160500

## Valve Connectors

**FORM A (18mm) to MALE M12 STRAIGHT**  
24V AC/DC with LED & SUPPRESSION



Cable Type	Cable Length	Jacket Color	Art. Number
PUR/PVC	.6m	Gray	7000-40881-2260060
	1m		7000-40881-2260100
	1.5m		7000-40881-2260150
	2m		7000-40881-2260200

**FORM CI (9.4mm) to MALE M12 STRAIGHT**  
24V AC/DC with LED & SUPPRESSION

Cable Type	Cable Length	Jacket Color	Art. Number
PVC	.3m	Yellow	7000-41041-0160030
	1m		7000-41041-0160100
PUR/PVC	.3m	Gray	7000-41041-2260030
	.6m		7000-41041-2260060
PVC	.6m	Black	7000-41041-6160060
	1m		7000-41041-6160100

**FORM CI (9.4mm) to MALE M8 STRAIGHT**  
24V AC/DC with LED & SUPPRESSION



Cable Type	Cable Length	Jacket Color	Art. Number
PVC	2m	Yellow	7000-88415-0130200
PUR/PVC	2m	Gray	7000-88415-2230200

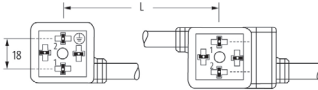
# Double Valve Plugs

**FORM A (18mm)**  
**24V AC/DC with LED & SUPPRESSION**



Cable Type	Cable Length	Jacket Color	Art. Number
PUR/PVC	3m	Gray	7000-58041-2270300
	5m		7000-58041-2270500
	1.5m	Black	7000-58041-6270150
	5m		7000-58041-6270500

**CONTACT LAYOUT**  
**L = 200mm**

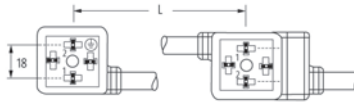


**FORM A (18mm)**  
**110 V AC/DC with LED & SUPPRESSION**

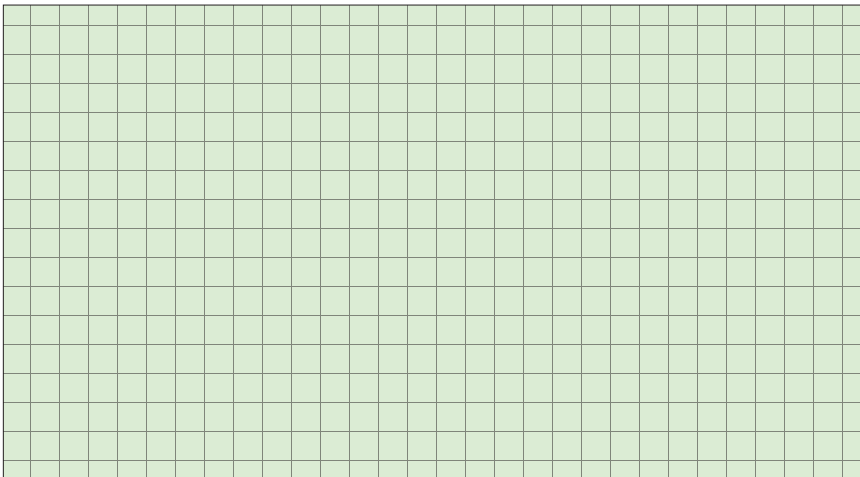
Cable Type	Cable Length	Jacket Color	Art. Number
PUR/PVC	3m	Gray	7000-58025-2270300
			7000-58005-2270300

**CONTACT LAYOUT**

7000-58025-2270300 L = 150mm  
 7000-58005-2270300 L = 110mm

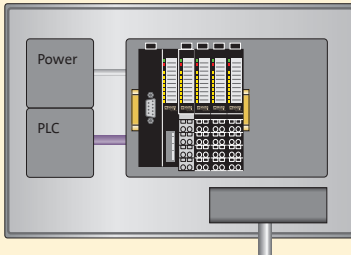


## Notes:



# Connection Efficiency

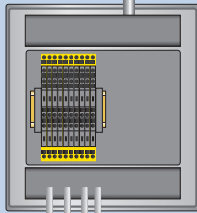
I/O Level



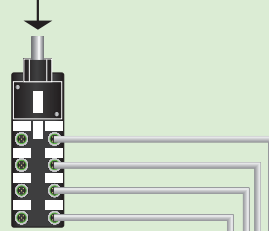
Time: 16min  
 Total Wiring Points: 6  
 Panel Entry Point: 1  
 Total Connection Points: 0  
 Labor Cost: \$14.67

## Choose Your Wiring Method

Field Level

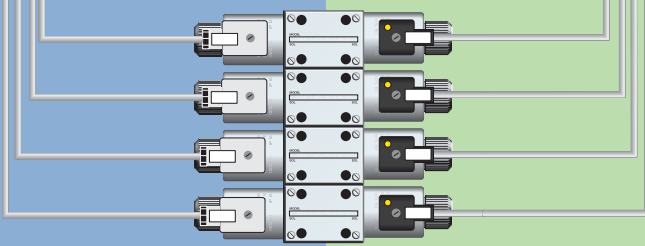


- IP54 Seal
- Untested Connections
- Troubleshooting requires MultiMeter
- Many Components to Order & Track
- Increased Labor



- IP67 Seal
- Factory Tested Connections
- LED Indicators for Easy Diagnostics
- Reduced size for Compact Installations
- Reduced # of Components
- Label Plates
- Quick & Easy Installation

Device Level



Wiring Effort: High  
 Time to Install: 66 min  
 Total Wiring Points: 22  
 Panel Entry Points: 5  
 Total Connection Points: 4  
 Labor Cost: \$56.83

Wiring Effort: Low  
 Time to Install: 4 min  
 Total Wiring Points: 0  
 Panel Entry Points: 0  
 Total Connection Points: 8  
 Labor Cost: \$1.67

# Have you seen our YouTube® Channel?

Our YouTube® channel, Murrelektronik, has grown quite a bit since it was first introduced. Our content has more than doubled to include videos on products like our torque wrench, MICO Pro and Modlink as well as videos describing our company and test center. To see some of the products from this brochure in action, scan the appropriate QR code below.



About Murr



MICO

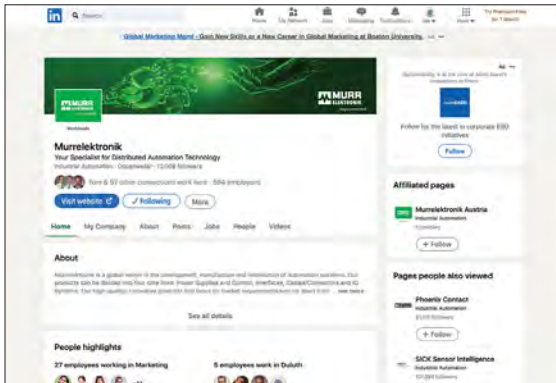


IDC



Torque Wrench

## Connect with Us on Linked In

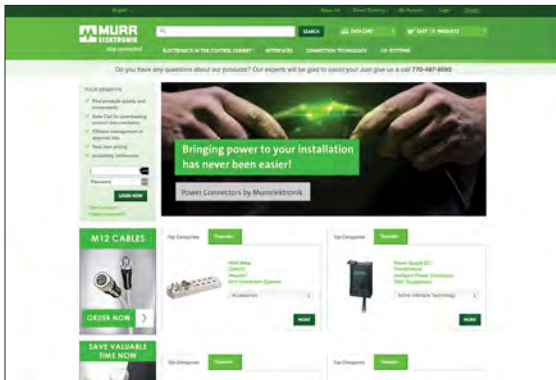


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*stay connected*

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#### COMMENTS

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Sixth Edition: April 2021



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