



stay connected

| XTREME

Installation Solutions
for Mobile Applications



| Robust

| Durable

| Strong



THE PLUS FOR MORE PRODUCTS

M12 XTREME

- Flat gasket for radial and axial seal
- Integrated hex thread and handy torque wrench for precise connections with exact torque
- Stainless steel screw and nut
- Black, UV resistant PUR cable (suitable for C-tracks and resistant to torsion)
- Double snap fixing
- Durable PUR casing



MSUD XTREME

- Captive silicon gasket
- Stainless steel fixing screw
- Integrated LED and suppressor
- Black, UV resistant PUR (suitable for C-tracks and resistant to torsion)
- Fully potted housing guarantees perfect seal



PLENTY OF POWER FOR EXTREME ENVIRONMENTS

Parched fields with swirling dust, icy streets treated with salt, wet forest soil where harvesters fight the mud and dirt.

All of these are all harsh environments where trucks and special vehicles have to deal with messy conditions. But with connectors and distribution boxes from the XTREME series, Murrelektronik offers reliable and uncomplicated installation solutions for these environments.

WITH XTREME: READY FOR MOBILE APPLICATIONS

- Suitable for high humidity and temperatures from -30 to +85° C
- For vehicle voltages of 12 V and 24 V
- Unaffected by dust and high water pressure, protected up to IP66K standard
- IP68 sealed even after continuous submersion
- Resistant to frequent high-pressure washes
- Withstands shock and vibration
- Durable even when exposed to hydraulic oil, diesel, gas, and lubricants
- All metal parts made of stainless steel



MVP XTREME

- Perfectly sealed and durable with Viton-O-rings
- Thread insert made of stainless steel
- Black, UV resistant PUR cable (suitable for C-tracks and resistant to torsion)
- Ultra bright LEDs for clear signal indications
- Impact-resistant, fully potted plastic housing
- Molded homerun cables from 3 to 30 meters



xtreme

robust | durable | strong



...and the **JUNIOR TIMER**
for applications in the
mobile hydraulic sector



ROUND PLUG CONNECTORS M12

With open ended wires

- 4 pole
- V2A stainless steel gland
- Formed gasket
- IP65/66k/68 protection

Approvals:



Female
Straight



Female
90°



1 Form		No. 12221	12341
Internal circuit	max. 250 V AC/DC / 4 A without suppression		max. 250 V AC/DC / 4 A without suppression
Circuit diagram			
Contact layout	<p>Female</p>		
2 Cable type		Jacket color	Jacket color
Wire cross section 0.5 mm ² PUR (UL/CSA approval)		black 737	black 737
3 Cable length			
1.5 m		0150	
3.0 m		0300	
5.0 m		0500	
7.5 m		0750	
10.0 m		1000	
Article no.		<p><u>7</u> <u>0</u> <u>7</u> <u>2</u> - - - - - - - - - -</p>	
		1 Form	2 Cable type 3 Cable length
Notes		Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.	

ROUND PLUG CONNECTORS M12 – M12

Connection cables

- 4 pole
- V2A stainless steel gland
- Formed gasket
- IP65/66k/68 protection

Male
Straight

Female
Straight

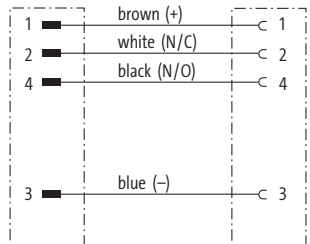
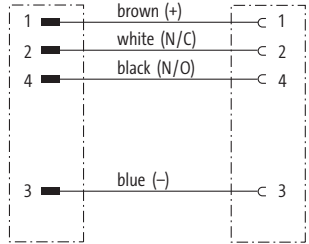
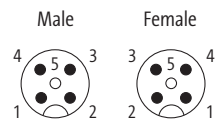
Male
Straight

Female
90°



Approvals:



1 Form		No. 40021	40121	
Internal circuit		max.250 V AC/DC / 4 A without suppression		max.250 V AC/DC / 4 A without suppression
Circuit diagram				
Contact layout				
2 Cable type		Jacket color	Jacket color	
Wire cross section 0.5 mm ² PUR (UL/CSA approval)		black 737	black 737	
3 Cable length				
0.3 m		0030		
0.6 m		0060		
1.0 m		0100		
1.5 m		0150		
2.0 m		0200		
Article no.		<div style="text-align: center;"> 7 0 7 2 - - </div>		
		1 Form	2 Cable type	3 Cable length
Notes		Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.		

VALVE CONNECTORS

With open ended wires

- 2 pole
- Stainless steel center screw (V2A)
- Silicon gasket
- IP65/66K/68 protection

Form A (18 mm)



Approvals:



1 Form	No.	18021	18031	18081
Internal circuit		12...24 V AC/DC / 4 A LED and Z diodes	12...24 V DC / 4 A LED and free wheeling diode	max. 230 V AC/DC / 10 A without components
Circuit diagram				
Contact layout				
2 Cable type	Jacket color	black 754	black 754	black 754
Wire cross section 0.75 mm ² PUR (UL/CSA approval)				
3 Cable length		0150	0300	0500
1.5 m		0750	1000	
3.0 m				
5.0 m				
7.5 m				
10.0 m				
Article no.		<p style="text-align: center;"><u>7 0 7 2</u> - _____ - _____ - _____</p>		
		1 Form	2 Cable type	3 Cable length
Notes	Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.			

VALVE CONNECTORS – M12

Connection cables

- 2 pole
- V2A stainless steel gland (M12)
- V2A stainless steel center screw (valve plug)
- Silicon gasket
- IP65/66K/68 protection

Form A (18 mm)
M12 male
 Straight


Approvals:



1 Form	No.	40881	40871	40885
Internal circuit		12...24 V AC/DC / 4 A	12...24 V DC / 4 A	max.230 V AC/DC / 4 A
		LED and Z diodes	LED and free wheeling diode	without suppression
Circuit diagram				
Contact layout		Male 		
2 Cable type	Jacket color	Jacket color	Jacket color	Jacket color
Wire cross section 0.75 mm ² PUR (UL/CSA approval)	black 754	black 754	black 754	black 754
3 Cable length				
0.3 m	0030			
0.6 m	0060			
1.0 m	0100			
1.5 m	0150			
2.0 m	0200			
Article no.				
	<u>7 0 7 2</u> - - - - -			
	1	2	3	
	Form	Cable type	Cable length	
Notes	Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.			

VALVE CONNECTORS

With open ended wires

- 2 pole
- V2A stainless steel locking spring
- IP65 Protection

Junior Timer

Straight



Approvals:



1 Form	No.	70001	70021	70061
Internal circuit		max.230 V AC/DC / 4 A without components	12...24 V AC/DC / 4 A LED	12...24 V AC/DC / 4 A LED and suppression
Circuit diagram				
Contact layout				
2 Cable type	Jacket color	Jacket color	Jacket color	Jacket color
Wire cross section 0.75 mm ² PUR (UL/CSA approval)	black 754	black	black	blac
PUR/PVC	750	750	750	750
Wire cross section 0.5 mm ² PUR	740*	740*	740*	740*
3 Cable length				
1.5 m	0150			
3.0 m	0300			
5.0 m	0500			
7.5 m	0750			
10.0 m	1000			
Article no.				
	7 0 7 2 - - - - -			
	1	2	3	
	Form	Cable type	Cable length	
Notes	Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.			

VALVE CONNECTORS

With open ended wires

- 2 pole
- V2A stainless steel locking spring
- IP65 Protection

Junior Timer
90°



Approvals:



1 Form	No.	70301	70321	70361
Internal circuit		max.230 V AC/DC / 4 A without components	12...24 V AC/DC / 4 A LED	12...24 V AC/DC / 4 A LED and suppression
Circuit diagram				
Contact layout				
2 Cable type	Jacket color	Jacket color	Jacket color	Jacket color
Wire cross section 0.75 mm ² PUR (UL/CSA approval)	black 754	black	black	blac
PUR/PVC	750	750	750	750
Wire cross section 0.5 mm ² PUR	740*	740*	740*	740*
3 Cable length				
1.5 m	0150			
3.0 m	0300			
5.0 m	0500			
7.5 m	0750			
10.0 m	1000			
Article no.				
	7 0 7 2 - - - - -			
	1	2	3	
	Form	Cable type	Cable length	
Notes	Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.			

VALVE CONNECTORS – M12

Connection cables

- 2 pole
- V2A stainless steel gland (M12)
- V2A stainless steel locking spring (Junior Timer)
- Protection:
IP65/66k/68 (M12)
IP65 (Junior Timer)

Approvals:



Junior Timer

90°

M12 male

Straight



1 Form	No.	43031	43041	43041
Internal circuit		max.230 V AC/DC / 4 A without components	12...24 V AC/DC / 4 A LED	12...24 V AC/DC / 4 A LED and suppression
Circuit diagram				
Contact layout		Male 		
2 Cable type	Jacket color	black	black	blac
Wire cross section 0.75 mm ² PUR (UL/CSA approval)		754		
PUR/PVC		750	750	750
Wire cross section 0.5 mm ² PUR		740*	740*	740*
3 Cable length		0030		
0.3 m		0060		
0.6 m		0100		
1.0 m		0150		
1.5 m		0200		
2.0 m				
Article no.		<div style="text-align: center;"> 7 0 7 2 - - </div>		
		1 Form	2 Cable type	3 Cable length
Notes	Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.			

DISTRIBUTION SYSTEMS M12

For Sensors and Actuators

- IP66K/68 protection
- ultra bright LEDs
- highly flexible cable

MVP12 Xtreme

8-way



1 Form	No. 68510	
Internal circuit	5 pole 12...32 V / max. 12 A	
Contact layout		
General:	M12 female 5-pole	
Contact 1: (+)		
Contact 2: (N/C)/(S2)		
Contact 3: (-)		
Contact 4: (N/O)/(S1)		
Contact 5: (Ground)		
Status indicator:	for 2 signals per port	
LED green, power		
LED yellow, signal (S1)		
LED white, signal (S2)		
2 Cable type	Jacket color	
Wire cross section 16x 0.5/3x 1.0 mm ²	black	
PUR (UL/CSA), halogen-free	456	
3 Cable length		
3.0 m	0300	
5.0 m	0500	
10.0 m	1000	
15.0 m	1500	
20.0 m	2000	
25.0 m	2500	
30.0 m	3000	
Article no.		
	<u>8 0 7 2</u> - - - - - - - - - -	
	1 Form 2 Cable type 3 Cable length	
Notes		

CONNECTION ACCESSORIES FOR THE XTREME SERIES

Accessories			Art. No.
	SVS ECO valve plug 2+PE, field-wireable, screw terminals SVS ECO valve plug 3+PE, field-wireable, screw terminals	Cable diameter 6...8 mm Connection cross section max. 1.5 mm ²	7002-29245-0000000 7002-29405-0000000
	MOSA Male M12, V2A straight, 4-pole field-wireable, insulation displacement	Cable diameter 4...5.1 mm Connection cross section 0.25...0.5 mm ²	7002-12481-000000
	MOSA Female M12, V2A straight, 4-pole field-wireable, insulation displacement	Cable diameter 4...5.1 mm Connection cross section 0.25...0.5 mm ²	7002-12601-000000
	MOSA Female M12, V2A 90°, 4-pole field-wireable, insulation displacement	Cable diameter 4...5.1 mm Connection cross section 0.25...0.5 mm ²	7002-12681-000000
	Male M12, V4A straight, 5-pole field-wireable, screw terminals	Cable diameter 6...8 mm Connection cross section max. 0.75 mm ²	7004-12761-000000
	Female M12, V4A straight, 5-pole field-wireable, screw terminals	Cable diameter 6...8 mm Connection cross section max. 0.75 mm ²	7004-12961-000000
	Female M12, V4A 90°, 5-pole field-wireable, screw terminals	Cable diameter 6...8 mm Connection cross section max. 0.75 mm ²	7004-13041-000000
	Cable reel PUR-OB 4x0.5 black UL, CSA + suitable for C-tracks 100 m	Cable diameter approx. 5 mm	7000-C0101-7370000
	Cable reel PUR-OB 2x0.75 black UL, CSA + suitable for C-tracks 100 m	Cable diameter approx. 5 mm	7000-C0101-7540000



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