

Y-Distributor M12 male / M8 female 0° A-cod.

PVC 3x0.25 gy UL/CSA 1m

Art.No.: 7000-40821-2100100

Weight: 0.079 Country of origin: DE

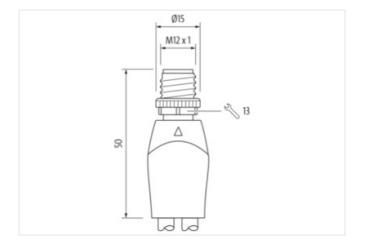
Model designation: MSAYTL0-FR210_1.0-FR210_1.0

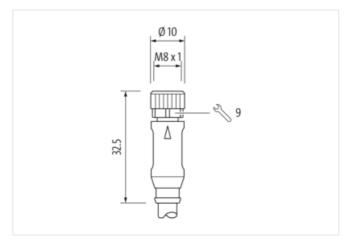
Link to Product

Illustration



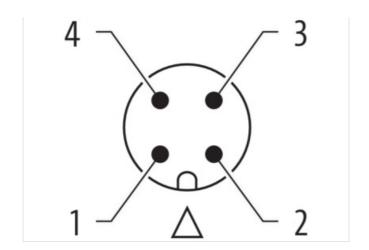


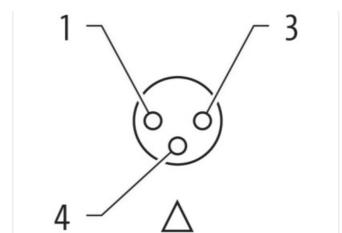


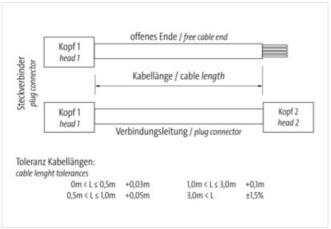


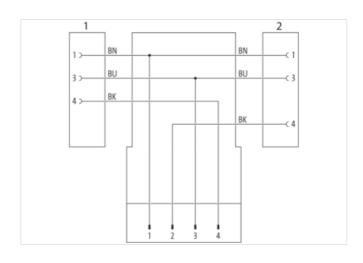


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Product may differ from Image









Side 1	
Family construction form	M8
No. of poles	3
Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M8 x 1
Tightening torque	0.4 Nm
Width across flats	SW9
Cable outlet	straight
suitable for corrugated tube (internal Ø)	6.5 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Side 2	
Family construction form	M8
No. of poles	3



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Coding	A
Gender	female
Mounting method	inserted, screwed
Thread	M8 x 1
Tightening torque	0.4 Nm
Width across flats	SW9
Cable outlet	straight
suitable for corrugated tube (internal Ø)	6.5 mm
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
Side 3	
Family construction form	M12
No. of poles	4
Coding	A
Gender	male
Mounting method	inserted, screwed
Thread	M12 x 1
Tightening torque	0.6 Nm
Width across flats	SW13
Cable outlet	straight
Material	PUR
Material contact	Copper alloy
Coating contact	gold plated
Degree of protection (EN IEC 60529)	IP67, IP66K, IP65
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Commercial data	
Commercial data URL Webshop	https://shop.murrelektronik.com/7000-40821-2100100
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Commercial data URL Webshop GTIN ECLASS-6.0	https://shop.murrelektronik.com/7000-40821-2100100 4048879154697 27279218
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endangered by excessive bending forces. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Conformity Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8) Installation Cable Cable identification 210 Cable Type 1 Amount stranding 1 Instranding Wires Wires Wires Wire arrangement brown, black, blue Cable weight 29.37 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Shore hardness wire insulation 45 Material properties wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Material properties wire insulation Stranded copper wire, bare Conductor crosssection (wire) 3tranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 45 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, elicone-free, lead-free	Important installation notes	
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Product standard DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8) Installation Cable Cable identification 210 Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigh 29.37 g/m Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation 45 Material properties wire insulation 45 Material properties wire insulation 50 CFC-free, cadmium-free, silicone-free, lead-free Material conductor wire 51 Conductor type (wire) 51 Material conductor wire 51 Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material properties (jacket) CFC-free, cadmium-free, silicone-free, lead-free Shore hardness sjacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Cable identification 210 Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigth 29.37 g/m Material wire insulation PVC Amount wires 3 Outer diameter tolerance core insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation GFC-free, cadmium-free, silicone-free, lead-free Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) PVC Material properties (jacket) PVC Shore hardness jacket SFFeedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Conformity	
Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigth 29.37 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket PVC Shore hardness jacket CFC-free, cadmium-free, silicone-free, lead-free	Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-104 (M8)
Cable Type 1 Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigth 29.37 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded case 5 Outer-diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Installation Cable	
Amount stranding 1 Stranding Wires Wire arrangement brown, black, blue Cable weigth 29.37 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Cable identification	210
Stranding Wires Wire arrangement brown, black, blue Cable weigth 29.37 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation 45 Material properties wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Cable Type	1
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Cable weight 29.37 g/m Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Stranding	Wires
Material wire insulation PVC Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Wire arrangement	brown, black, blue
Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation \$\frac{\pmathcal{2}}{\pmathcal{2}}\$ mm Shore hardness wire insulation 45 Material properties wire insulation Ingredient freeness wire insulation \$\text{CFC-free, cadmium-free, silicone-free, lead-free}\$ Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) \$\frac{\pmathcal{2}}{\pmathcal{2}}\$ \frac{\pmathcal{2}}{\pmathcal{2}}\$ \frac{\pmathcal{2}{\pmathcal{2}}\$ \frac{\pmathcal{2}}{\pmathcal{2}}\$ \pmathca	Cable weigth	29.37 g/m
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Material wire insulation	PVC
Outer diameter tolerance core insulation ± 0.05 mm Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Amount wires	3
Shore hardness wire insulation 45 Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Outer diameter insulation	1.25 mm
Material properties wire insulation good machinability Ingredient freeness wire insulation CFC-free, cadmium-free, silicone-free, lead-free Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Outer diameter tolerance core insulation	± 0.05 mm
Amount strands (wire) Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) Tolerance outer diameter (sheath) Material jacket PVC Shore hardness jacket CFC-free, cadmium-free, silicone-free, lead-free CFC-free, cadmium-free, silicone-free, lead-free	Shore hardness wire insulation	45
Amount strands (wire) 14 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Material properties wire insulation	good machinability
Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, lead-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Amount strands (wire)	14
Material conductor wire Stranded copper wire, bare Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Diameter of single wires	0.15 mm
Conductor type (wire) Strand class 5 Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Conductor crosssection (wire)	0.25 mm ²
Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Material conductor wire	Stranded copper wire, bare
Tolerance outer diameter (sheath) ± 5 % Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Conductor type (wire)	Strand class 5
Material jacket PVC Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Outer-diameter (jacket)	4.5 mm
Shore hardness jacket 85 Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Tolerance outer diameter (sheath)	± 5 %
Freedom from ingredients (jacket) CFC-free, cadmium-free, silicone-free, lead-free	Material jacket	PVC
	Shore hardness jacket	85
Material property (jacket) good machinability	Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, lead-free
	Material property (jacket)	good machinability



Conductor resistance (wire)	79 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2 kV @ 60 s
Withstand voltage (wire - jacket)	2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4.5 A
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1080, CSA FT1, IEC 60332-1-2
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter