

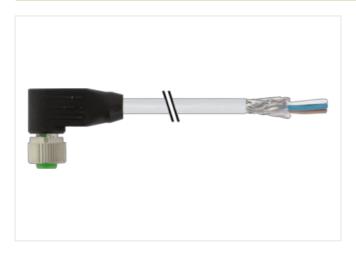
## M12 female 90° A-cod. with cable shielded

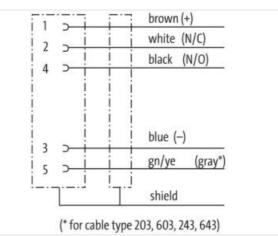
PVC 5x0.34 shielded gy 25m

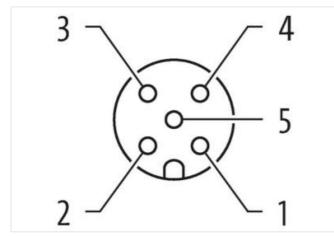
Female 90° M12, 5-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

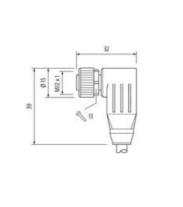
## Link to Product

Illustration









Product may differ from Image



Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



MaterialPURNo. of poles5Width across flatsSW13	4 1 er alloy 3 IP66K, IP67 n olated 0218 0218 0218 0218 0218 0218 0211
ThreadM12 xCodingAMaterial contactCoppedMaterialPURNo. of poles5Width across flatsSW13Degree of protection (EN IEC 60529)IP65,Side 2Stripping length (jacket)20 mmCoating contactgold pCommercial data27279ECLASS-6.027279ECLASS-7.027279ECLASS-8.027260ECLASS-9.027060ECLASS-10.127060ECLASS-11.127060ECLASS-12.027060ETIM-5.0EC00customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDNoNo	er alloy 3 3 1P66K, IP67 n olated 3 218 3 218 3 218 3 211
CodingAMaterial contactCoppeMaterialPURNo. of poles5Width across flatsSW13Degree of protection (EN IEC 60529)IP65,Side 2Stripping length (jacket)20 mmCoating contactgold pCommercial data27279ECLASS-6.027279ECLASS-7.027279ECLASS-8.027279ECLASS-9.027060ECLASS-9.027060ECLASS-10.127060ECLASS-11.127060ECLASS-12.027060ETIM-5.0EC000customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	er alloy 3 3 1P66K, IP67 n olated 3 2218 3 2218 3 2311
Material contactCopper MaterialNaterialPURNo. of poles5Width across flatsSW13Degree of protection (EN IEC 60529)IP65,Side 2Stripping length (jacket)20 mmCoating contactgold pCommercial data27279ECLASS-6.027279ECLASS-7.027279ECLASS-8.027279ECLASS-9.027060ECLASS-10.127060ECLASS-11.127060ECLASS-12.0EC000customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDStatus indication LEDno	3 IP66K, IP67 m plated 0218 0218 0218 0218
MaterialPURNo. of poles5Width across flatsSW13Degree of protection (EN IEC 60529)IP65,Side 220 mmStripping length (jacket)20 mmCoating contactgold pCommercial data27279ECLASS-6.027279ECLASS-7.027279ECLASS-8.027279ECLASS-9.027060ECLASS-10.127060ECLASS-11.127060ECLASS-12.027060ETIM-5.0EC000customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	3 IP66K, IP67 m plated 0218 0218 0218 0218
No. of poles5Width across flatsSW13Degree of protection (EN IEC 60529)IP65,Side 2Stripping length (jacket)20 mmCoating contactgold pCommercial data27279ECLASS-6.027279ECLASS-7.027279ECLASS-8.027060ECLASS-9.027060ECLASS-10.127060ECLASS-11.127060ECLASS-12.027060ETIM-5.0EC000customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	IP66K, IP67 n plated 2218 2218 2218 2218 2218 2218 2218 221
Width across flatsSW13Degree of protection (EN IEC 60529)IP65,Side 2Stripping length (jacket)20 mmCoating contactgold pCommercial dataECLASS-6.0ECLASS-7.027279ECLASS-8.027279ECLASS-9.0270600ECLASS-10.1270600ECLASS-11.1270600ECLASS-12.0270600ETIM-5.0ECC000customs tariff number854444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDStatus indication LEDno	IP66K, IP67 n plated 2218 2218 2218 2218 2218 2218 2218 221
Degree of protection (EN IEC 60529)IP65,Side 220 mmStripping length (jacket)20 mmCoating contactgold pCommercial data27279ECLASS-6.027279ECLASS-7.027279ECLASS-8.027279ECLASS-9.027060ECLASS-10.127060ECLASS-11.127060ECLASS-12.027060ETIM-5.0EC000customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	IP66K, IP67 n plated 2218 2218 2218 2218 2218 2218 2218 221
Side 2Stripping length (jacket)20 mmCoating contactgold pCommercial data27279ECLASS-6.027279ECLASS-7.027279ECLASS-8.027279ECLASS-9.027060ECLASS-10.127060ECLASS-12.027060ETIM-5.0EC00customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDStatus indication LEDno	m plated 0218 0218 0218 0218
Stripping length (jacket)20 mmCoating contactgold pCommercial dataECLASS-6.0ECLASS-6.027279ECLASS-7.027279ECLASS-8.027060ECLASS-9.027060ECLASS-10.127060ECLASS-11.127060ECLASS-12.027060ETIM-5.0EC000customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	Dated 0218 0218 0218 0218 0218 0311
Coating contact         gold p           Commercial data         27279           ECLASS-6.0         27279           ECLASS-7.0         27279           ECLASS-8.0         27279           ECLASS-8.0         27279           ECLASS-9.0         27060           ECLASS-10.1         27060           ECLASS-11.1         27060           ECLASS-12.0         27060           ETIM-5.0         EC000           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Qurrent operating per contact max.         4 A           Diagnostics         5           Status indication LED         no	Dated 0218 0218 0218 0218 0218 0311
Coating contact         gold p           Commercial data         27279           ECLASS-6.0         27279           ECLASS-7.0         27279           ECLASS-8.0         27279           ECLASS-8.0         27279           ECLASS-8.0         27279           ECLASS-8.0         27279           ECLASS-8.0         27279           ECLASS-8.0         27060           ECLASS-10.1         27060           ECLASS-11.1         27060           ECLASS-12.0         27060           ETIM-5.0         EC000           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Diagnostics         5           Status indication LED         no	0218 0218 0218 0218 0311
Commercial data           ECLASS-6.0         27279           ECLASS-7.0         27279           ECLASS-8.0         27279           ECLASS-9.0         27060           ECLASS-10.1         27060           ECLASS-11.1         27060           ECLASS-12.0         27060           ETIM-5.0         EC000           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED	0218 0218 0218 0218 0311
ECLASS-7.0         27279           ECLASS-8.0         27279           ECLASS-9.0         27060           ECLASS-10.1         27060           ECLASS-11.1         27060           ECLASS-12.0         27060           ETIM-5.0         EC000           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Qurrent operating per contact max.         4 A           Diagnostics         5           Status indication LED         no	9218 9218 9311
ECLASS-7.0         27279           ECLASS-8.0         27279           ECLASS-9.0         27060           ECLASS-10.1         27060           ECLASS-11.1         27060           ECLASS-12.0         27060           ETIM-5.0         EC000           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Qurrent operating per contact max.         4 A           Diagnostics         5           Status indication LED         no	9218 9218 9311
ECLASS-8.0         27279           ECLASS-9.0         27060           ECLASS-10.1         27060           ECLASS-11.1         27060           ECLASS-12.0         27060           ETIM-5.0         EC007           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Diagnostics         5           Status indication LED         no	9218 9311
ECLASS-9.0         27060           ECLASS-10.1         27060           ECLASS-11.1         27060           ECLASS-12.0         27060           ECLASS-12.0         27060           ETIM-5.0         EC000           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED         no	0311
ECLASS-10.1         27060           ECLASS-11.1         27060           ECLASS-12.0         27060           ETIM-5.0         EC000           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED         no	
ECLASS-11.1         27060           ECLASS-12.0         27060           ETIM-5.0         EC000           customs tariff number         85444           GTIN         40488           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Diagnostics         5           Status indication LED         no	
ECLASS-12.027060ETIM-5.0EC00°customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.60 VOperating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	
ETIM-5.0EC000customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.60 VOperating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	
customs tariff number85444GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.60 VOperating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	
GTIN40488Packaging unit1Electrical data   SupplyOperating voltage AC max.60 VOperating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	
Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       60 V         Operating voltage DC max.       60 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED       no	
Electrical data   Supply         Operating voltage AC max.       60 V         Operating voltage DC max.       60 V         Current operating per contact max.       4 A         Diagnostics       Status indication LED       no	3/ 3/ 3/ 30330
Operating voltage AC max.60 VOperating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	
Operating voltage DC max.60 VCurrent operating per contact max.4 ADiagnosticsStatus indication LEDno	
Current operating per contact max.       4 A         Diagnostics          Status indication LED       no	
Diagnostics Status indication LED no	
Status indication LED no	
Installation   Connection	
Stripping length (jacket) 20 mn	n
Mounting set M12 x	
Device protection   Electrical	
• •	
	ed, screwed
Pollution Degree 3	
Rated surge voltage 1,5 kV	1
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose without	ut
Mechanical data   Material data	
Coating locking Nickel	led
Coating of fitting nickel	plated
Material gasket FKM	
Locking material Zinc d	lie-casting
Material screw connection Zinc d	lie-casting
Mechanical data   Mounting data	
Mounting method inserte	
Environmental characteristics   Climatic	ed, screwed, Shaking protection

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-10

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	348
Jacket Color	gray
Amount stranding	1
Stranding	5 wires around Core filler twisted
Stranding factor min.	75 mm
Stranding factor max.	75 mm
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	72,05 g/m
Material jacket	PVC
Shore hardness jacket	75 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	- 1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	85 Shore A
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - acket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-10

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com



Oil resistance

Good, application-related testing | DIN EN 60811-404

Bending radius (dynamic)

15 x Outer diameter