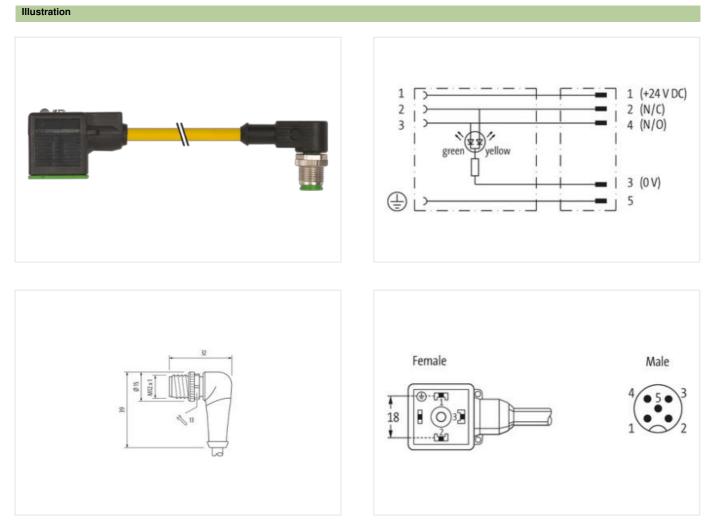


M12 male 90° A-cod. / MSUD valve plug A-18mm

PUR 5x0.34 ye UL/CSA+robot+drag ch. 2m

MSUD Form A (18 mm) – M12, male 90° 24 V DC ±25% LED (yellow/green) for pressure switches Further cable lengths on request. 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.

Link to Product



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: 2024-06-23 Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl





Product may differ from Image



Side 1 0.4 Nm Tightening torque 0.4 Nm Timead MSUD Timead M3 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2	Cable length	
ightening torque0.4 Nmamily construction formMSUDThreadM3begree of protection (EN IEC 60529)IP66K, IP67Side 2	Cable length	2 m
Amily construction form MSUD Thread M3 Degree of protection (EN IEC 60529) IP66K, IP67 Side 2	Side 1	
Thread M3 Jegree of protection (EN IEC 60529) IP66K, IP67 Side 2	Tightening torque	0,4 Nm
Degree of protection (EN IEC 60529) IP66K, IP67 Side 2 Iightening torque 0.6 Nm armily construction form M12 Thread M12 x 1 Degree of protection (EN IEC 60529) IP66K, IP67 Commercial data IICCLASS-6.0 CicLASS-6.1 27279218 CicLASS-6.1 27279218 CicLASS-6.1 27279218 CicLASS-6.1 27279218 CicLASS-6.1 27279218 CicLASS-6.0 27279218 CicLASS-6.1 27279218 CicLASS-6.1 27279218 CicLASS-1.0 27060312 CicLASS-10.1 27060312 CicLASS-11.1 27060312 CicLASS-12.0 27060312 CicLASS-13.0 EC001855 ustoms tariff number 8544290 3TIN 4048879610476 Packargu unit 1 Electrical data Supply I Operating voltage DC 24 V Operating voltage DC max. 30 V Durrent onsumption max. 4 A <	Family construction form	MSUD
Side 2 ightening torque 0,6 Nm amily construction form M12 hread M12 x 1 begree of protection (EN IEC 60529) IP66K, IP67 Commercial data 27279218 CCLASS-6.0 27279218 CCLASS-6.1 27279218 CCLASS-6.0 27279218 CCLASS-6.0 27279218 CCLASS-8.0 27260012 CCLASS-8.0 27060012 CCLASS-1.1 27060012 CDASS-1.1 27060012 CDASS-1.1 27060012 Commercial data [Supply Supple contast Operating voltage DC 24 V Operating voltage DC	Thread	
Ightening torque 0.6 Nm Family construction form M12 hread M12 x 1 begree of protection (EN IEC 60529) IP66K, IP67 Commercial data 27279218 ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27060312 ECLASS-8.0 27060312 ECLASS-1.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-11.1 048879610476 Packaging unit 1 Packaging unit 1 Electrical data Supply 2 Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V	Degree of protection (EN IEC 60529)	IP66K, IP67
Image M12 Inread M12 x 1 Jegree of protection (EN IEC 60529) IP66K, IP67 Commercial data E ECLASS 6.0 27279218 CCLASS 6.1 27279218 CCLASS 7.0 27279218 CCLASS 6.0 27060312 CCLASS 7.0 27060312 CCLASS 7.1.1 27060312 CCLASS 7.2.0 27060312 CCLASS 7.2.0<	Side 2	
Inhead M12 x 1 Degree of protection (EN IEC 60529) IP66K, IP67 Commercial data E ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 272760312 ECLASS-9.0 27060312 ECLASS-1.1 27060312 ECLASS-1.2 27060312 ECLASS-1.1 27060312 ECLASS-1.2.0 27060312 ETIM-5.0 EC001855 ustoms tariff number 85444290 STIN 4048879610476 Packaging unit 1 Electrical data Supply J Operating voltage DC 24 V Operating voltage DC max. 30 V Current oneuruption max. 4 A Current consumption max. 12 mA	Tightening torque	0,6 Nm
Degree of protection (EN IEC 60529) IP66K, IP67 Commercial data ECLASS-6.0 27279218 ICLASS-6.1 27279218 27279218 ICLASS-7.0 27279218 27279218 ICLASS-8.0 27279218 27060312 ICLASS-9.0 27060312 27060312 ICLASS-10.1 27060312 27060312 ICLASS-12.0 27060312 27060312 ICLASS-12.0 27060312 27060312 ITIM-5.0 EC001855 2001825 ustoms tariff number 85444290 371N 4048879610476 27060312 371N Packaging unit 1 1 Electrical data Supply 30 30 Deparating voltage DC max. 30 30 Durrent operating per contact max. 4 A 2 Current onsumption max. 12 mA 30	Family construction form	M12
Commercial data ECLASS-6.0 27279218 CCLASS-7.0 27279218 CCLASS-8.0 27279218 CCLASS-9.0 27279218 CCLASS-9.0 27060312 CCLASS-10.1 27060312 CCLASS-11.1 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CTLASS-12.0 27060312 CTLASS-12.0 27060312 CTLASS-12.0 27060312 CTLASS-12.0 1 ECON1855 1 ustoms tariff number 85444290 STIN 4048879610476 Packaging unit 1 Electrical data Supply 1 Deperating voltage DC max. 30 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	Thread	M12 x 1
ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 CELASS-8.0 27279218 CELASS-8.0 27260312 CELASS-10.1 27060312 CELASS-11.1 27060312 CELASS-12.0 27060312 CELASS-12.0 27060312 STIM-5.0 EC001855 ustoms tariff number 85444290 STIN 4048879610476 Packaging unit 1 Etertical data Supply 24 V Operating voltage DC 24 V Operating voltage DC max. 30 V Ourrent operating per contact max. 4 A Current consumption max. 12 mA	Degree of protection (EN IEC 60529)	IP66K, IP67
CLASS-6.1 27279218 CCLASS-7.0 27279218 CCLASS-8.0 27279218 CCLASS-9.0 27060312 CCLASS-10.1 27060312 CCLASS-11.1 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CLASS-12.0 2706032	Commercial data	
CLASS-7.0 27279218 CCLASS-8.0 27279218 CCLASS-9.0 27060312 CCLASS-10.1 27060312 CCLASS-11.1 27060312 CCLASS-12.0 27060312 CLASS-12.0 27060312 CLASS-12.0 27060312 CLASS-12.0 27060312 CLASS-12.0 27060312 CLASS-12.0 2600476 CLASS-12.0 1 CLASS-12.0 24 V Deperating voltage DC 24 V Deperating voltage DC max. 30 V	ECLASS-6.0	27279218
CLASS-8.0 27279218 CCLASS-9.0 27060312 CCLASS-10.1 27060312 CCLASS-11.1 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CCLASS-12.0 27060312 CCLASS-12.0 EC001855 Statustoms tariff number 85444290 ATIN 4048879610476 Packaging unit 1 Electrical data Supply 24 V Operating voltage DC 24 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	ECLASS-6.1	27279218
CLASS-9.0 27060312 CCLASS-10.1 27060312 CCLASS-11.1 27060312 CCLASS-12.0 27060312 CTIM-5.0 EC001855 ustoms tariff number 85444290 STIN 4048879610476 Packaging unit 1 Electrical data Supply 24 V Operating voltage DC 24 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	ECLASS-7.0	27279218
ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 ustoms tariff number 85444290 STIN 4048879610476 Packaging unit 1 Electrical data Supply 24 V Operating voltage DC 24 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	ECLASS-8.0	27279218
ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 sustoms tariff number 85444290 ATIN 4048879610476 Packaging unit 1 Electrical data Supply 24 V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	ECLASS-9.0	27060312
ECLASS-12.027060312ETIM-5.0EC001855sustoms tariff number85444290ATIN4048879610476Packaging unit1Electrical data SupplyDeperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VCurrent operating per contact max.4 ACurrent consumption max.12 mA	ECLASS-10.1	27060312
TIM-5.0EC001855austoms tariff number85444290ATIN4048879610476Packaging unit1Electrical data SupplyDeperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VCurrent operating per contact max.4 ACurrent consumption max.12 mA	ECLASS-11.1	27060312
Bustoms tariff number 85444290 BATIN 4048879610476 Packaging unit 1 Electrical data Supply 24 V Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Durrent consumption max. 12 mA	ECLASS-12.0	27060312
ATIN4048879610476Packaging unit1Electrical data SupplyDeperating voltage DC24 VOperating voltage DC min.18 VOperating voltage DC max.30 VCurrent operating per contact max.4 ACurrent consumption max.12 mA	ETIM-5.0	
Packaging unit 1 Electrical data Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	customs tariff number	85444290
Electrical data Supply Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	GTIN	4048879610476
Operating voltage DC 24 V Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	Packaging unit	1
Operating voltage DC min. 18 V Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	Electrical data Supply	
Operating voltage DC max. 30 V Current operating per contact max. 4 A Current consumption max. 12 mA	Operating voltage DC	24 V
Current operating per contact max. 4 A Current consumption max. 12 mA	Operating voltage DC min.	18 V
Current consumption max. 12 mA	Operating voltage DC max.	30 V
	Current operating per contact max.	4 A
Device protection Electrical	Current consumption max.	12 mA
	Device protection Electrical	

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: 2024-06-23

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl



Rated surge voltage	0,8 kV
Mechanical data Material data	
Color housing	black
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	inserted, screwed
Environmental characteristics Climatic	
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.
Installation Cable	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	055
Cable Type	5
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	41,8 g/m
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V to DIN VDE 0298-4
Current load capacity (standard) Current load capacity min. wire	4.5 A
Electrical resistance line constant wire	4,5 A 60 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation

Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl



Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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: 2024-06-23 Murrelektronik B.V. | Takkebijsters 3 | 4817 BL Breda | Fon 085-22 20 282 | Fax 085-22 20 283 | shop@murrelektronik.nl | shop.murrelektronik.nl