

M12 male 0° / M12 female 90° A-cod. LED

PUR 4x0.34 or UL/CSA+robot+drag ch. 25m

Male straight – female 90°

Male straight – female 90°

M12 – M12, 4-pole

M12 – M12, 4-pole

3× LED (PNP), (NPN) on request

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Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

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Plastic housings with good resistance against chemicals and oils.

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The resistance to aggressive media should be individually tested for your application. Further details on request.

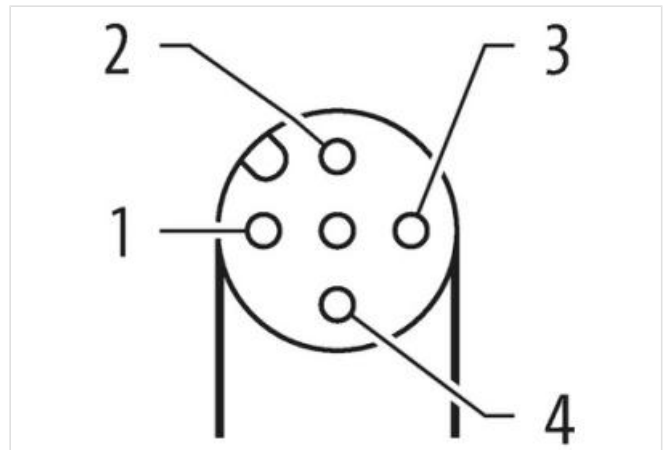
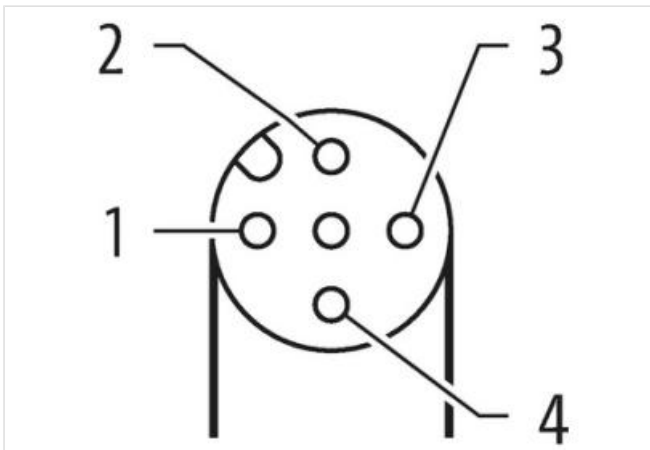
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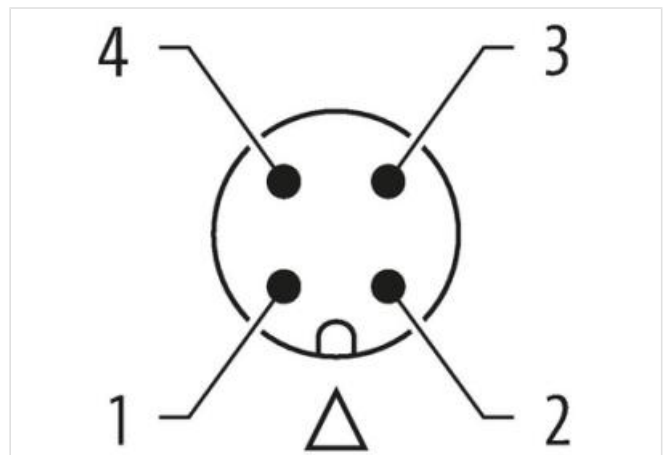
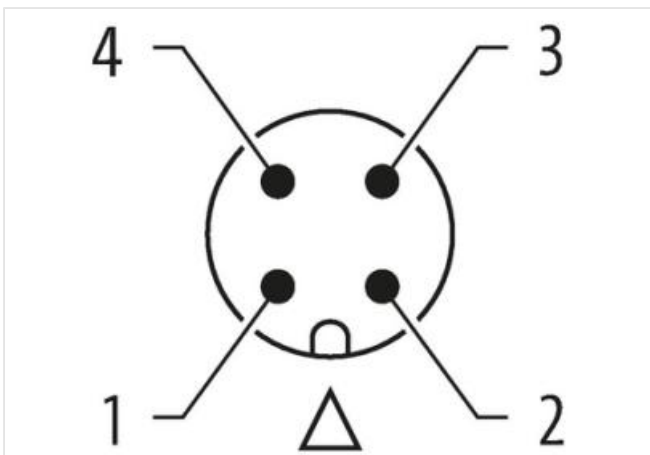
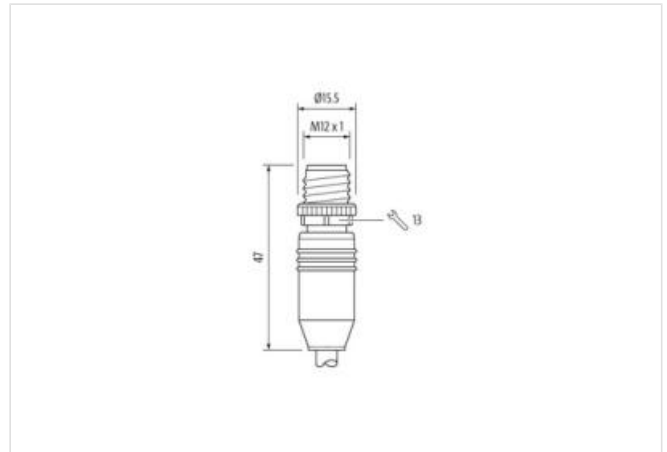
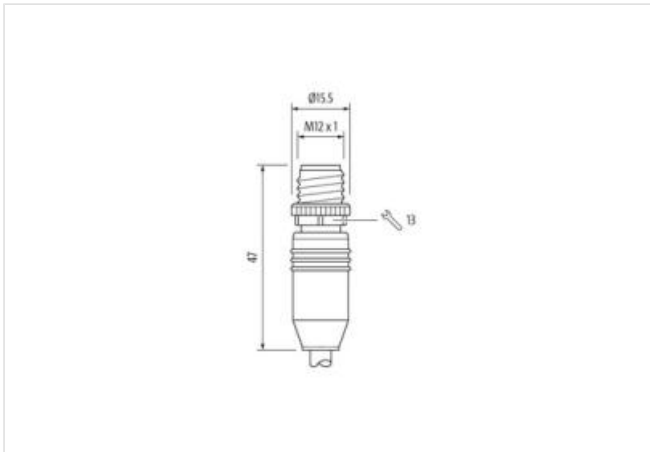
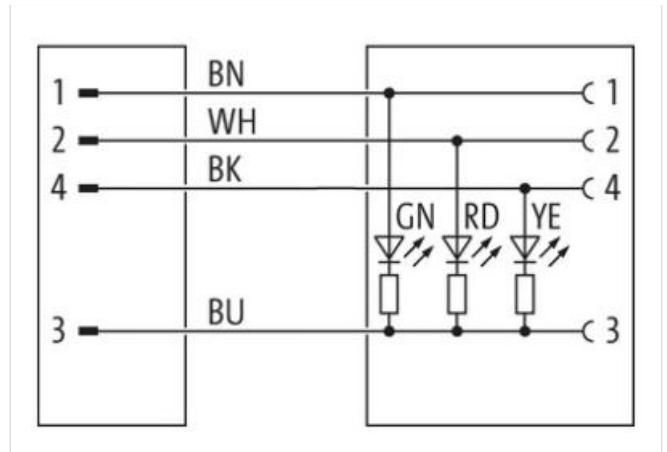
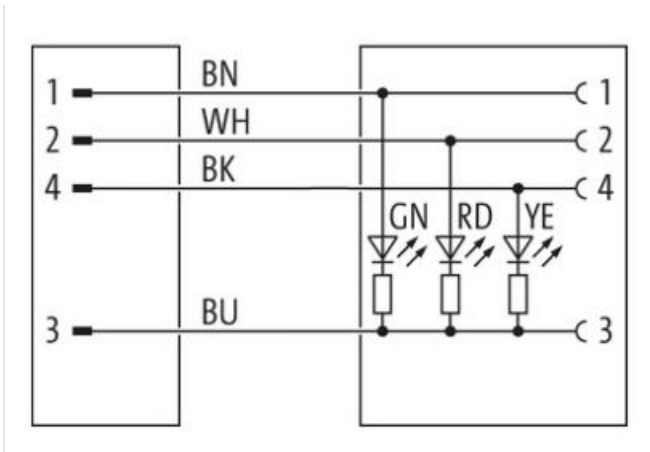
Further cable lengths on request.

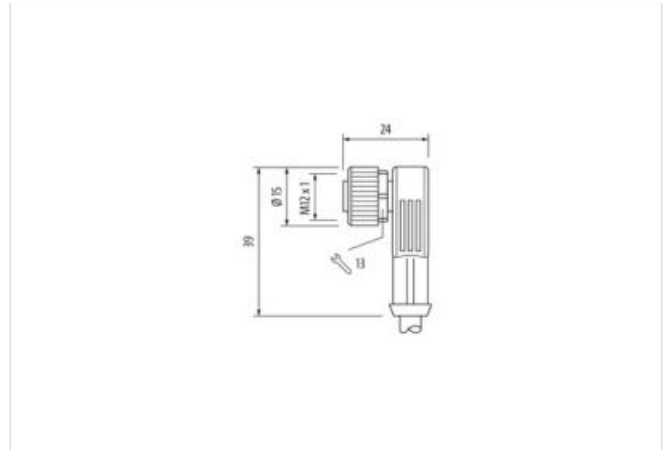
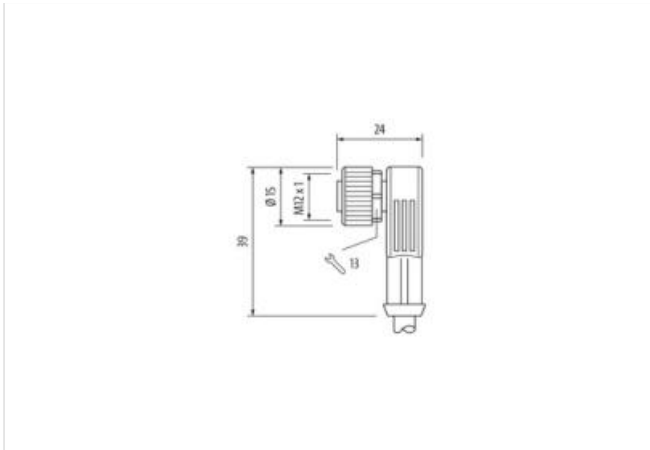
Further cable lengths on request.

제품 링크

일러스트







실제 제품은 이미지와 다를 수 있습니다.



Cable length	25 m
Cable length	25 m

Side 1

Tightening torque	0,6 Nm
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Mounting method	inserted, screwed
Family construction form	M12
Family construction form	M12
Thread	M12 x 1
Thread	M12 x 1
Gender	male
Gender	male
Cable outlet	straight
Cable outlet	straight
Coding	A
Coding	A
Material	PUR
Material	PUR
No. of poles	4
No. of poles	4
Width across flats	SW13
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67

Side 2

Tightening torque	0,6 Nm
Tightening torque	0,6 Nm
Mounting method	inserted, screwed

Mounting method	inserted, screwed
Family construction form	M12
Family construction form	M12
Thread	M12 x 1
Thread	M12 x 1
Gender	female
Gender	female
Cable outlet	angled
Cable outlet	angled
Coding	A
Coding	A
Material	PUR
Material	PUR
No. of poles	4
No. of poles	4
Width across flats	SW13
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67

제품자료

ECLASS-6.0	27279218
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
ETIM-5.0	EC001855
GTIN	4065909000243
세번부호	85444290
포장단위	1

Electrical data | Supply

Operating voltage DC	24 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage DC max.	30 V
Operating voltage DC max. (UL-listed)	30 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	4 A
Current operating per contact max.	4 A

Diagnostics

Status indication LED	green, red, yellow
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Status indication LED	green, red, yellow
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Installation | Connection

Mounting set	M12 x 1
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Mounting set	M12 x 1
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Device protection | Electrical

Additional condition protection degree	inserted, screwed
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Additional condition protection degree	inserted, screwed
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Pollution Degree	3
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Pollution Degree	3
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Rated surge voltage	0,8 kV
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Rated surge voltage	0,8 kV
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Material group (IEC 60664-1)	I
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Material group (IEC 60664-1)	I
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Mechanical data | Material data

Coating locking	safe-cover coated
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Coating locking	safe-cover coated
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Coating of fitting	nickel plated
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Coating of fitting	nickel plated
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Locking material	Zinc die-casting
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Locking material	Zinc die-casting
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Material screw connection	Zinc die-casting
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Material screw connection	Zinc die-casting
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Mechanical data | Mounting data

Mounting method	inserted, screwed, Shaking protection
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Mounting method	inserted, screwed, Shaking protection
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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Additional condition temperature range	depending on cable quality
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Important installation notes

Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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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.
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Conformity

Product standard	DIN EN 61076-2-101 (M12)
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Product standard	DIN EN 61076-2-101 (M12)
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Installation | Cable

wire arrangement	brown, black, blue, white
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wire arrangement	brown, black, blue, white
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Cable identification	487
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Cable identification	487
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Cable Type	5
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Cable Type	5
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Jacket Color	orange
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Jacket Color	orange
Type of Certificate	cURus
Type of Certificate	cURus
Amount stranding	1
Amount stranding	1
Stranding	4 wires twisted
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
wire arrangement	brown, black, blue, white
Cable weight	55 g/m
Cable weight	55 g/m
Material jacket	PUR
Material jacket	PUR
Shore hardness jacket	58 ± 3 Shore D
Shore hardness jacket	58 ± 3 Shore D
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,2 mm
Outer-diameter (jacket)	6,2 mm
Tolerance outer diameter (sheath)	± 5 %
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Material wire insulation	PP
Amount wires	4
Amount wires	4
Outer diameter insulation	1,25 mm
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	74 ± 3 Shore D
Shore hardness wire insulation	74 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm ²
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	60 Ω/km @ 20 °C
Electrical resistance line constant wire	60 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
AC withstand voltage (wire - wire)	2,5 kV @ 60 s

Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
chemical resistance	Good, application-related testing
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing DIN EN 60811-404
Oil resistance	Good, application-related testing DIN EN 60811-404
Welding spark resistance	Good, application-related testing
Welding spark resistance	Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min
Torsion speed	35 cycles/min