

## M12 female 0° A-cod. with cable 3LED

PVC 4x0.34 gy UL/CSA 10m

Female straight M12, 4-pole

3× LED (PNP)

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

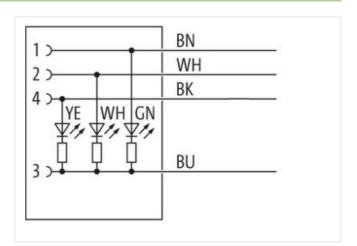
Plastic housings with good resistance against chemicals and oils.

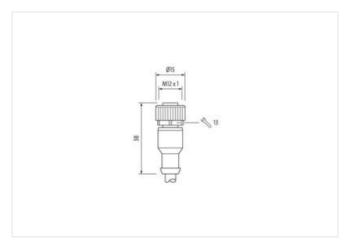
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

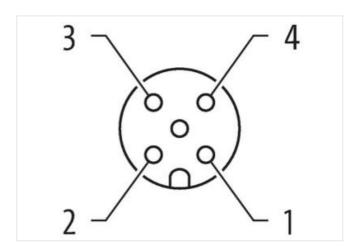
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

10 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-20



stay connected

Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Coding         A           Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         ECLASS-6.0           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECIMB-0.0         EC001855           Customs tariff number         85444290           GTIN         4048879537865           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Degrating voltage DC min.         18 V     <
Thread
A
Material         PUR           No. of poles         4           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537665           Packaging unit         1           Electrical data   Supply           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics         Status indication LED           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree
No. of poles
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         ECLASS-6.0         27279218           ECLASS-7.0         27279218         ECLASS-8.0         27279218           ECLASS-8.0         2779218         ECLASS-9.0         27060311           ECLASS-10.1         27060311         ECLASS-11.1         27060311           ECLASS-11.1         27060311         ECLASS-12.0         27060311           ETIM-5.0         EC001855           Customs tariff number         85444290           GTIN         4048879537865           Packaging unit         1           Electrical data   Supply           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating per contact max.         4 A           Diagnostics           Status indication LED         green, white, yellow           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed
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Commercial data
ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879537865 Packaging unit 1  Electrical data   Supply Operating voltage DC 24 V Operating voltage DC max. 30 V Current operating per contact max. 4 A  Diagnostics Status indication LED green, white, yellow Installation   Connection Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537865           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           Diagnostics         Status indication LED         green, white, yellow           Installation   Connection         Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed
ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879537865           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           Diagnostics         Status indication LED           Status indication   Connection         Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed
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ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879537865         Packaging unit       1         Electrical data   Supply         Operating voltage DC       24 V         Operating voltage DC max.       30 V         Current operating per contact max.       4 A         Diagnostics         Status indication LED       green, white, yellow         Installation   Connection         Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed
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Diagnostics  Status indication LED green, white, yellow  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed
Status indication LED green, white, yellow  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed
Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed
Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed
Device protection   Electrical  Additional condition protection degree inserted, screwed
Additional condition protection degree inserted, screwed
D. W. D.
Pollution Degree 3
Rated surge voltage 0,8 kV
Material group (IEC 60664-1)
Mechanical data   Material data
Coating locking Nickeled
Coating of fitting nickel plated
Locking material Zinc die-casting
Material screw connection Zinc die-casting
Mechanical data   Mounting data
Mounting method inserted, screwed, Shaking protection
Environmental characteristics   Climatic
Operating temperature min25 °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)



## stay connected

wire arrangement	brown, black, blue, white
Cable identification	214
Cable Type	1
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	brown, black, blue, white
Cable weigth	40,7 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	4
Outer diameter insulation	1.25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0.15 mm
Conductor crosssection (wire)	0.34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	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)	2 kV @ 60 s
Power frequency withstand voltage (wire - lacket)	2 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)	80 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
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