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## M12 male 0° / M8 female 90° A-cod. LED

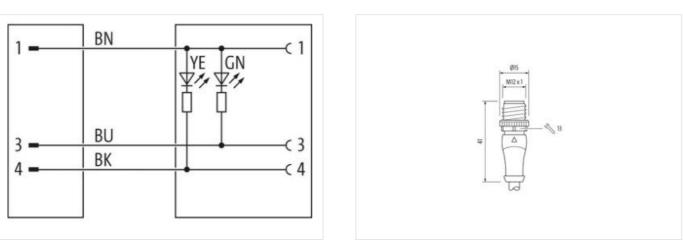
PVC 3x0.25 ye UL/CSA 2m

Male straight – female 90° M12 – M8, 3-pole LED (yellow/green) 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

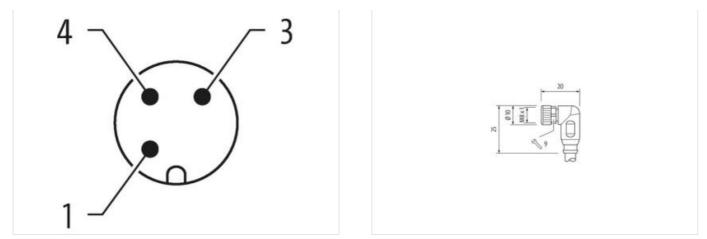
Illustration





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: 2024-04-25





Product may differ from Image



Cable length	2 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP66K, IP67
Side 2	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Material contact	Copper alloy
Material	PUR
No. of poles	3
Width across flats	SW9
Degree of protection (EN IEC 60529)	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

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G1N   404879297592     Packaging unit   1     Electrical data   Supply      Operating voltage DC max.   30 V     Current operating voltage DC max.   4 A     Current operating voltage DC max.   5 mA     Diagnostics   green, yollow     Device protection   Electrical     Additional condition protection degree   3     Additional condition protection degree   3     Rated supp voltage   0.8 k V     Metheral data   Moting data   1     Metheral data   M	ETIM-5.0	EC001855
Packaging unit       1         Electrical data [Supply       Image: Comparison of the second of t	customs tariff number	85444290
Electrical data   Supply            24 V	GTIN	4048879297592
Operating voltage DC24 VOperating voltage DC max.30 VOperating voltage DC max.30 VOperating voltage DC max.30 VOperating voltage DC max.5 mADegrecting port ontater max.5 mADegrecting DC max.00 voltageDegrecting DC max.00 voltageDegrecting DC max.00 voltageDegrecting DEctricalwoltage NotageDester portection IElectrical0.8 kVAdditional condition protection degree1Dester portection IElectrical0.8 kVMetterial group (EC 60664-1)1Dester portection Genee1Dester portection IElectrical0.8 kVMetterial group (EC 60664-1)1Dester portection Genee1Dester portection Genee1Dester portection Genee1Dester portection Genee1Casting of tiftingNickelodCasting of tiftingNickelodCasting of tifting1Dester portection2 nor die-castingMaterial gastewFKMDester portection Interportection Genee1Dester portection Genee1Dester portection Genee25 °COperating temperature max.85 °CAdditional condition temperature may.85 °CAdditional condit	Packaging unit	1
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Operating voltage DC max.       30 V         Operating voltage DC max. (U.L. leited)       30 V         Current operating or contact max.       5 mA         Diagnottics       srow         Status indication LED       grown, voltow         Device protection   Electrical       meandod, scrowed         Additional condition protection degree       inserted, scrowed         Polution Dugree       3         Rated surge voltage       0.8 kV         Material group (EC 60664-1)       I         Mechanica data   Material data       Coding locking         Coding locking       Nickel Pd         Coding locking material       Zinc die-casting         Material graske       FKM         Locking material       Zinc die-casting         Mederaliz screw correction       Zinc die-casting         Deprating temperature min.		
Operating por contact max.       4 A         Current computing max.       5 mA         Diagnostics       Status indication LED       green, yellow         Device protection Electrical       Additional condition protection degree       is serted, sorewed         Polition Degree       3       Reads surge workspace       3         Reads surge workspace       3       Reads surge workspace       3         Reads surge workspace       0.8 kV       Reads surge workspace       3         Coating tocking       0.6 kV       Reads surge workspace       3         Coating tocking       Nickeled       Coating tocking       Reads surge workspace       3         Coating tocking attest       FKM       Coating tocking attest       FKM         Coating tocking data       Tion die-caating       Readerating workspace       Readerating workspace       Readerating workspace         Mounting methor       Isered soreworks, Shaking protection       Environmental characteristics   Climatic       Commitspace         Operating toperature max.       25 °C       Coeting toperature max.       85 °C         Additional condition temperature range       depending on cable quality       Coeting toperature max.       85 °C         Co		
Current operating per contact max.   4 A     Current operating per contact max.   5 m A     Designedite   Status indication LED   green, yellow     Device protection   Electrical   Inserted, screwed     Additional condition protection degree   inserted, screwed     Polution Degree   3     Rated surge voltage   0.8 kV     Material group (IEC 60684-1)   I     Mechanical data   Material data   Mechanical data     Coating looking   Nickeled     Coating looking   Nickeled     Coating noting   Nickeled     Material gasch   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Operating temperature max.		
Current consumption max.       5 mA         Diagnotics       Status indication LED         Status indication LED       green, yellow         Device protection [Electrica]		
Diagnositis         Status indication LED       green, yellow         Device protection   Electrical		
Statu indication LED       green, yellow         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Bated surge voltage       0,8 kV         Material group (EC 6064-1)       1         Mechanical data [Material data       0,8 kV         Coating locking       Nickeled         Material sorew connection       Zinc die-casting         Material sorew connection       Since die-casting         Mounting method       Inserted, screwed, Shaking protection         Environmental charcteristics [Climatic       Georating on cable quality         Coperating temperature max.       85 °C         Additional condition temperature range       Georating on cable quality         Cable dontification       101         Cable Type       1         Jacket Color       yellow         Type of Cartificatio       <	•	
Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0.8 kV         Material group (EC 60684-1)       1         Mechanical data   Material data       Execution (EC 60684-1)         Coating of fitting       nickel plated         Material group (EC 60684-1)       1         Mechanical data   Material data       Execution (EC 60684-1)         Coating of fitting       nickel plated         Material group (EC 60684-1)       Zinc die-casting         Material grow connection       Zinc die-casting         Material grow connection       Zinc die-casting         Material strew connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Enviromental characteristics [ Climatic       Commental characteristics [ Climatic         Coperating temperature ma.       25 °C         Operating temperature ma.       25 °C         Contemity       Enviromental characteristics [ Climatic         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Exableionification       010         Cable identification       010	-	
Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 k/V     Material group (IEC 60664-1)   1     Mechanical data     Mechanical data [Mounting data <t< td=""><td></td><td>green, yellow</td></t<>		green, yellow
Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (EC 60664-1)       1         Mechanical data [ Material data       Coaling locking       Nickeled         Coaling locking       Nickeled       Coaling locking       Nickeled         Coaling of fitting       nickel plated       Material gasket       FKM         Locking material       Zinc die-casting       Material gasket       FKM         Locking material       Zinc die-casting       Material gasket       FKM         Material gasket       FKM       Exvironmental characteristics   Climatic       Cooling temperature main.       -25 °C         Operating temperature max.       85 °C       Additional condition temperature max.       85 °C         Additional condition temperature max.       85 °C       Additional Condition temperature max.       85 °C         Colorentity       Corolongity       Corolongity       Coole (Condition temperature max.       85 °C         Cable Type       1       Additional condition temperature max.       85 °C         Cable Type       1       Additional condition temperature max.       10         Statiation (Cable       DIN EN 61076-2:010 (M12), DIN EN 61076-2:114 (M8) <t< td=""><td>Device protection   Electrical</td><td></td></t<>	Device protection   Electrical	
Rate surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data [Material data       Coating of fitting       Nickeled         Coating of fitting       nickel plated       Mechanical data [Material gasket       FKM         Locking material       Zinc die-casting       Mechanical data [Material gasket       FKM         Mechanical data [Material gasket       FKM       Mechanical data [Material gasket       FKM         Mechanical data [Material gasket       FKM       Time die-casting       Mechanical data [Material screwed, Shaking protection         Mechanical data [Material screwed, Shaking protection       Zinc die-casting       Mechanical data [Material screwed, Shaking protection         Environmental characteristics [Climatic       Operating temperature min.       -25 °C       Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality       Contornity       Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Material data	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)       1         Mechanical data   Material data          Coating of fiting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Contemporature min.         -25 °C       Operating temperature max.         Additional condition temperature max.       85 °C         Additional condition temperature max.       85 °C         Contomity       Product standard         DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installion   Cable         Cable Type       1         Jacket Color       yellow         Type of Certificate       CURus         Amount stranding       1         Stranding       3 wires twisted         wire arangement       brown, black, blue         Cable weigh       29.37 g/m <td< td=""><td>Pollution Degree</td><td>3</td></td<>	Pollution Degree	3
Mechanical data       Mickelpated         Coaling looking       Nickelpated         Coaling of fitting       nickel pated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Methanical data       Mounting method         Environmental characteristics   Climatic       Cooling         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature max.       85 °C         Additional condition temperature max.       85 °C         Contemity       Environmental characteristics   Climatic         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M5)         Installation   Cable       Cooling         Cable dentification       010         Cable dentification       010 <td></td> <td>0,8 kV</td>		0,8 kV
Coating coking       Nickeled         Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Commental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature range       depending on cable quality         Contomity       Environmental characteristics   Climatic         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Coble       Colon         Cable identification       010         Cable Identification       010         Cable Identification       1         Type of Certificate       cURus         Anount stranding       1         Stranding       3 wires twisted         Wire analygether       9.37 g/m         Material jacket       PVC         Shore A       Stranding         Stranding       St 3 5 Shore A	Material group (IEC 60664-1)	1
Coating of fitting       nickel plated         Material gasket       FKM         Locking material       Zinc die-casting         Material screws connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity       Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       Cable identification       010         Cable identification       010       Cable identification         Type of Certificate       cURus       Amount stranding         Amount stranding       1       Stranding         Stranding       3 wires twisted       Wire arrangement         Werew, Devemperature (acket)       85 ± 5 Shore A       Freedom from ingredients (jacket)         Freedom from ingredients (jacket)       45 ± 5 Shore A       Freedom from ingredients (jacket)         Freedom from ingredients (jacket)       45 ± 5 Shore A       Freedom from ingredients (jacket)         Freedom from ingredients (jacket)       <	Mechanical data   Material data	
Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Conformity   Installation   Cable     Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable   Cable fripp 1     Cable fripp 1   1     Jacket Color   yellow     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigh   29.37 g/m     Material jacket   PVC     Shore hardness jacket   85 ± 5 % fore A     Freedom from ingredients (jacket)   4.5 mm     Toler-ance outer diameter (sheath)   ± 5 %     Material jacket   PVC     Outer diameter (insulation   1.25 mm	Coating locking	Nickeled
Material gasket   FKM     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Conformity   Installation   Cable     Product standard   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable   Cable fripp 1     Cable fripp 1   1     Jacket Color   yellow     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigh   29.37 g/m     Material jacket   PVC     Shore hardness jacket   85 ± 5 % fore A     Freedom from ingredients (jacket)   4.5 mm     Toler-ance outer diameter (sheath)   ± 5 %     Material jacket   PVC     Outer diameter (insulation   1.25 mm	Coating of fitting	nickel plated
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Mechanical data   Mounting data         Mounting method       inserted, screwed. Shaking protection         Environmental characteristics   Climatic       Commany         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Conformity       V         Product standard       DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)         Installation   Cable       V         Cable Identification       010         Stranding	Locking material	Zinc die-casting
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Material jacketPVCShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mm	-	
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Amount wires   3     Outer diameter insulation   1,25 mm		
Outer diameter insulation 1,25 mm		
Outer diameter tolerance core insulation ±5%		
	Outer diameter insulation	1,25 mm

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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)	14
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	79 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	30 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	30 °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
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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