

2

3

M12 male 0° D-cod. / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA 18m

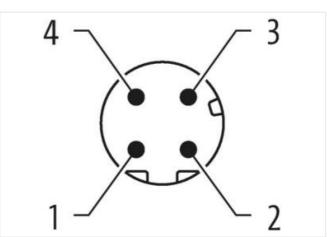
Male straight – male straight M12 – RJ45, 4-pole D-coded shielded Ethernet CAT5 Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product



M12 x 1

435



YE

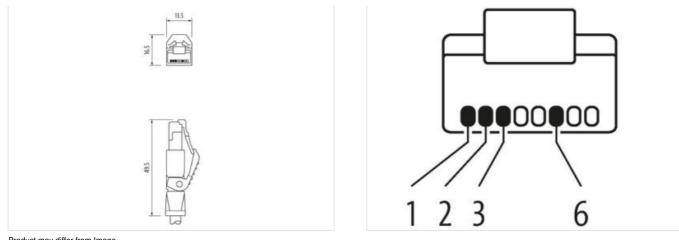
WH

OG

BU

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





Product may differ from Image



Side 1 Tiphening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable outlet straight Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method plugable Family construction form R.145 Cable outlet straight Material PUR No. of poles 4 Mounting method plugable Family construction form R.145 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP0 Commercial dats Z7060307 ECLASS-6.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0.1 2	Cable length	18 m
Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Cable cullet straight Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Image: Straight Mounting method pluggable Family construction form RJ45 Cable cullet straight Material PUR No. of poles 4 Cable cullet straight Material PUR No. of poles 4 Cable cullet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data Z060307 ECLASS-6.0 27061801 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-1.1	Side 1	
Family construction form M12 Thread M12 x 1 Cable outlet straight Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 ////////////////////////////////////	Tightening torque	0,6 Nm
Thread M12 x 1 Cable outlet straight Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data 27061801 ECLASS 6.0 27061801 ECLASS 7.0 27060307 ECLASS 7.0 27060307 ECLASS 9.0 27060307 ECLASS 1.1 27060307 ECLASS 1.1.1 27060307 ECLASS 1.2.0 27060307 ECLASS 1.1.1 27060307 ECLASS 1.1.1	Mounting method	inserted, screwed
Cable outlet straight Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Puly Mounting method pluggable Family construction form RL45 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data PUR Degree of protection (EN IEC 60529) IP20 Commercial data Z7061801 ECLASS -6.0 27061801 ECLASS -6.1 27060307 ECLASS -7.0 27060307 ECLASS -0.0 27060307 ECLASS -1.0 27060307 ECLASS -1.1 27060307	Family construction form	M12
Coding D Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2	Thread	M12 x 1
Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2	Cable outlet	straight
No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-6.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.0 27060307 ECLASS-1.0 27060307 ECLASS-1.0 27060307 ECLASS-1.0 27060307 ECLASS-1.1	Coding	D
Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Side 2 IP67 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-10.2 27060307 ECLASS-10.3 27060307 ECLASS-10.4 27060307 ECLASS-10.5 ECO02599 Customs tariff number 85444290 GTIN 404887	Material	PUR
Degree of protection (EN IEC 60529) IP67 Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1	No. of poles	4
Side 2 Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.0 27060307 ECLASS-1.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1	Width across flats	SW13
Mounting method pluggable Family construction form RJ45 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS 6.0 27061801 ECLASS 6.1 27060307 ECLASS 7.0 27060307 ECLASS 9.0 27060307 ECLASS 9.1.1 27060307 ECLASS 9.2.0 27060307	Degree of protection (EN IEC 60529)	IP67
Family construction form RJ45 Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-1.2.0 27060307 ECLASS-1.2.0 EC02599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1 Electrical data Supply 1	Side 2	
Cable outlet straight Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data E ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-8.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-1.1.1 27060307 ECLASS-1.2.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1 Electrical data Supply 1	Mounting method	pluggable
Material PUR No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data E ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1 Electrical data Supply 1	Family construction form	RJ45
No. of poles 4 Degree of protection (EN IEC 60529) IP20 Commercial data P20 ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1	Cable outlet	straight
Degree of protection (EN IEC 60529) IP20 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 ECLASS-7.0 27060307 ECLASS-8.0 ECLASS-8.0 27060307 ECLASS-9.0 ECLASS-9.0 27060307 ECLASS-9.0 ECLASS-11.1 27060307 ECLASS-11.1 ECLASS-12.0 27060307 ECLASS-12.0 ETIM-5.0 EC002599 customs tariff number GTIN 4048879461351 Packaging unit Packaging unit 1 1	Material	PUR
Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1 Electrical data Supply 1	No. of poles	4
ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 1 BCUASS-12.0 1 ECLASS-12.0 1 <td>Degree of protection (EN IEC 60529)</td> <td>IP20</td>	Degree of protection (EN IEC 60529)	IP20
ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1	Commercial data	
ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1	ECLASS-6.0	27061801
ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1	ECLASS-6.1	27060307
ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1	ECLASS-7.0	27060307
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1	ECLASS-8.0	27060307
ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1	ECLASS-9.0	27060307
ECLASS-12.0 27060307 ETIM-5.0 EC002599 customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1 Electrical data Supply Supply	ECLASS-10.1	27060307
ETIM-5.0EC002599customs tariff number85444290GTIN4048879461351Packaging unit1Electrical data Supply	ECLASS-11.1	27060307
customs tariff number 85444290 GTIN 4048879461351 Packaging unit 1 Electrical data Supply	ECLASS-12.0	27060307
GTIN 4048879461351 Packaging unit 1 Electrical data Supply Value	ETIM-5.0	EC002599
Packaging unit 1 Electrical data Supply 1	customs tariff number	85444290
Electrical data Supply		4048879461351
	Packaging unit	1
	Electrical data Supply	

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



Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
ransfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication Ethernet fun	-
luplex	Full duplex
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
	Nickeled
Coating locking Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	>
Dperating temperature min.	-25 °C
Dperating 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	
wire arrangement	white, yellow, blue, orange
Cable identification	794
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
	yes
vire arrangement	white, yellow, blue, orange
Cable weigth Material jacket	75,87 g/m PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
-reedom from ingredients (jacket) Duter-diameter (jacket)	6,7 mm
Tolerance outer diameter (sheath)	±5%
	± 5 % FRNC white

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



Amount wires	4
Outer diameter insulation	1,55 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 %
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	0° ℃
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
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	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter

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