



Product: [RK 120M-S4678](#)

1-1/8" - Female 0° | #Contacts: 12 | 600 V | Cable: Yellow (TPE); 16 AWG; US
| cURus

Product Description

Single-Ended Cordset | 1-1/8"- Female Straight | #Contacts: 12 | 600 V / 5 A | Cable: TPE Yellow; 12x16 AWG; US | UL 2238; cURus

Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12
orange	blue	white/black	red/black	green/black	orange/black	blue/black	black/white	green	red	white	black

Technical Data

Product Family:	Power Connector
Product Sub Family:	1-1/8" (9, 10, 12, 19 contacts)
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Socket Contact / Female
Connector Design:	1-1/8" Female 12 Pole 0°
Number of Pins:	12
Coding:	A
Shielding:	Unshielded
Attachment Type:	Female Thread (round coupling nut)
Rated Voltage:	600 V
Rated Current*:	5 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C to + 90°C
Protection Degree / IP Rating**:	IP65, IP67
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	Brass (CuZn)
Contact Plating:	Copper-Silver-Gold-Alloy (Cu/Ag/Au)
Contact Bearer Material:	Thermoplastic polyurethane (TPU)
Contact Bearer Color:	Yellow
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Thermoplastic polyurethane (TPU)
Molded Body Color:	Yellow
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Aluminum (Al)
Attachment Plating:	Anodized Black

Additional Technical Data

Fastening Torque (Attachment):	1"-1/8": 70 Ncm, hand-tight
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Cable Data

Cable Number:	S4678
Conductor Size:	16 AWG
Number of Wires:	12
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 mio
Conductor material:	Cu
Cable Jacket Material:	Thermoplastic Elastomers (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 13.14 mm [0.517"]
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 2.56 mm (0.101")
Ambient Temperature (Fixed Installation):	- 30 °C to +90 °C
Ambient Temperature (Flex Installation):	+ 5 °C to +90 °C
UL Cable Type:	UL: NEC Type TC-ER (UL 1277)
Flammability Class (Cable Jacket):	UL 1685, CSA FT4, IEEC 1202
Cable Characteristics:	Flexibility: Excellent Abrasion Resistance: Very Good Chemical Resistance: resists water, oils, greases, acids, alkalis, and solvents Flame Retardance: Good Halogen-Free: No Mechanical Durability: Good (resists impact, tear, and flex) Environmental Suitability: outdoor, oily, wet, or rough environments

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	No
Oil Resistance:	Yes

Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked

Variants

Item #	Item Description	Cable Length
540002922	RK 120M-S4678/1M	1 m
540002602	RK 120M-S4678/2M	2 m
500004342	RK 120M-S4678/4M	4 m
500004389	RK 120M-S4678/5M	5 m
500004477	RK 120M-S4678/6M	6 m
540003069	RK 120M-S4678/7M	7 m
540002601	RK 120M-S4678/10M	10 m
540002758	RK 120M-S4678/12M	12 m
500004415	RK 120M-S4678/15M	15 m
500004363	RK 120M-S4678/20F	20 m
540003323	RK 120M-S4678/20M	20 m
500004267	RK 120M-S4678/30F	30 m
540002998	RK 120M-S4678/30M	30 m
540002599	RK 120M-S4678/40M	40 m

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