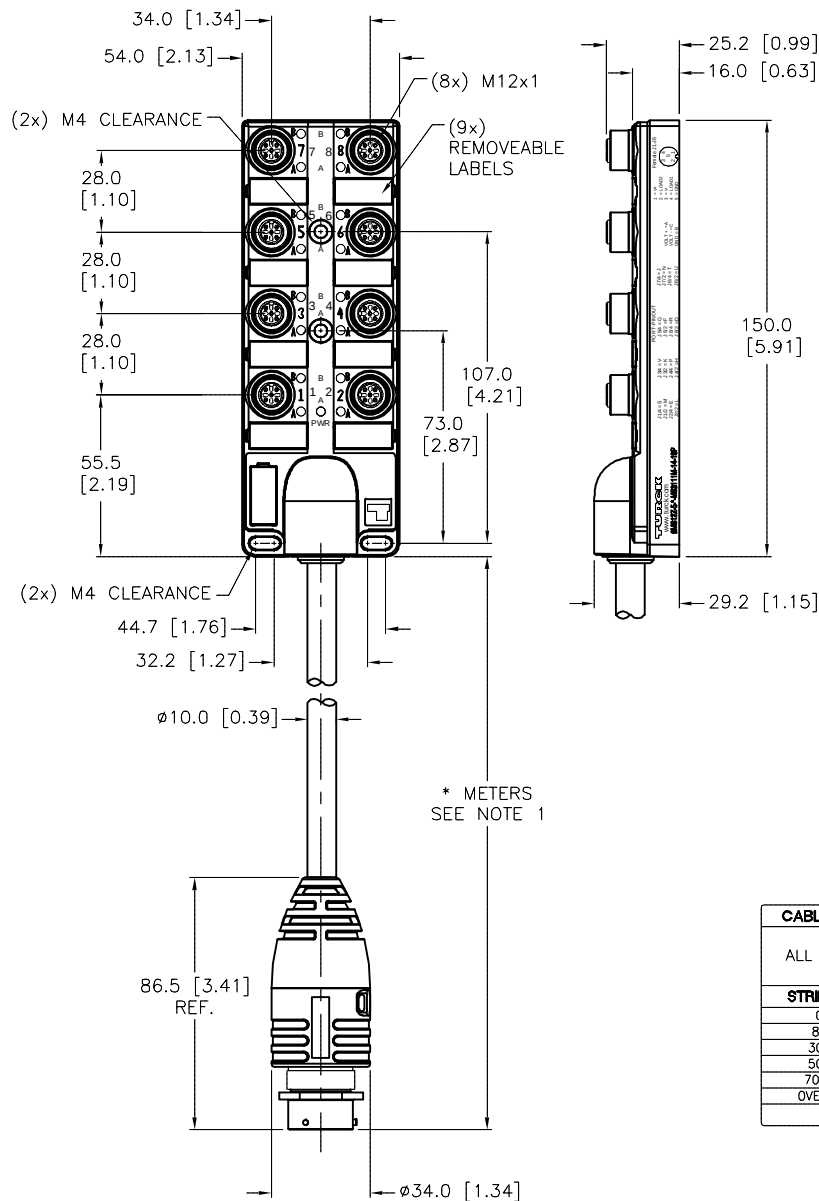


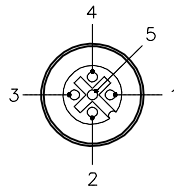


* METERS
SEE NOTE 1

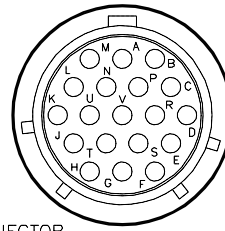
NOTES:

1. "*" INDICATES CABLE LENGTHS IN METERS. CONTACT TURCK TO ORDER SPECIFIC LENGTH.

FEMALE END VIEW



MALE END VIEW

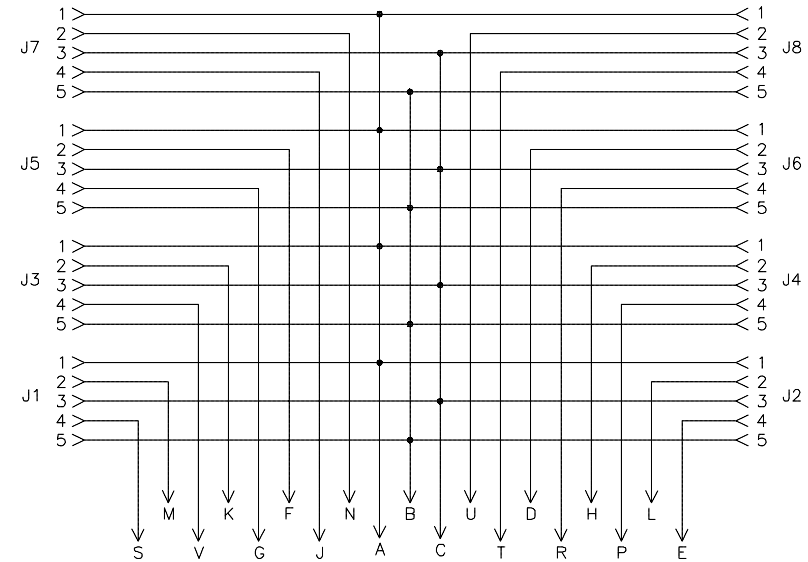


CONNECTOR
TYPE/STYLE - MS 3111M
SHELL SIZE - 14
INSERT ARRANGEMENT - 19P

SPECIFICATIONS

NUMBER OF CONDUCTORS [AWG]	3x18 AWG, 16x22 AWG
DRAIN/SHIELD	20 AWG/ALUMINUM-POLYESTER FOIL
CONDUCTOR INSULATION MATERIAL	PVC
OUTER JACKET MATERIAL/COLOR	PVC/YELLOW
HOUSING MATERIAL/COLOR	NYLON/BLACK
RECEPTACLE MATERIAL/PLATING	BRASS/NICKEL
CONTACT CARRIER MATERIAL	NYLON
CONTACT MATERIAL/PLATING	BRASS/GOLD
O-RING MATERIAL	FKM/FPM
MOLDED HEAD MATERIAL (P1)	PVC/BLACK
CONTACT MATERIAL/PLATING (P1)	COPPER ALLOY/GOLD
COUPLING NUT MATERIAL/PLATING (P1)	ALUMINUM ALLOY/OLIVE DRAB CHROMATE
OPERATING VOLTAGE [V]	10-30 VDC
OPERATING CURRENT [A]	2.0 AMPS/SIGNAL, 9.0 AMPS TOTAL
PROTECTION CLASS	IP68, IP69K: ONLY WHEN ALL RECEPTACLES ARE COVERED WITH PLUGS OR CONNECTED
OPERATING TEMPERATURE	-40°C to +85°C (-40°F to +185°F)

WIRING DIAGRAM



SOURCE DRAWING - FOR REFERENCE ONLY

CABLE LENGTH	TOLERANCE*
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE*
0-7mm	±0.5mm
8-29mm	±1.0mm
30-49mm	±2.0mm
50-69mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm

* UNLESS OTHERWISE SPECIFIED

RELATED DOCUMENTS

- 1.
- 2.
- 3.
- 4.

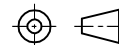
MATERIAL

SEE SPECIFICATIONS

FINISH

SEE SPECIFICATIONS

3RD ANGLE PROJECTION



ALL DIMENSIONS
DISPLAYED ON THIS
DRAWING ARE FOR
REFERENCE ONLY

CONTACT TURCK
FOR MORE
INFORMATION

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PROHIBITED.

DRFT NF

APVD T.V.

UNIT OF MEASUREMENT

MILLIMETER [INCH]

DO NOT SCALE THIS DRAWING

TURCK

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MINNEAPOLIS, MN 55441
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(763) 553-7300
(763) 553-0708 fax
www.turck.us

DATE 08/03/18
SCALE 1=2.7
DESCRIPTION
8MB12Z-5-*--MS3111M-14-19P

IDENTIFICATION NO.

REV

A

FILE: 777041957

SHEET 1 OF 1

A	DRAWING RELEASE	NF	08/21/18	
REV	DESCRIPTION	BY	DATE	ECO. NO.