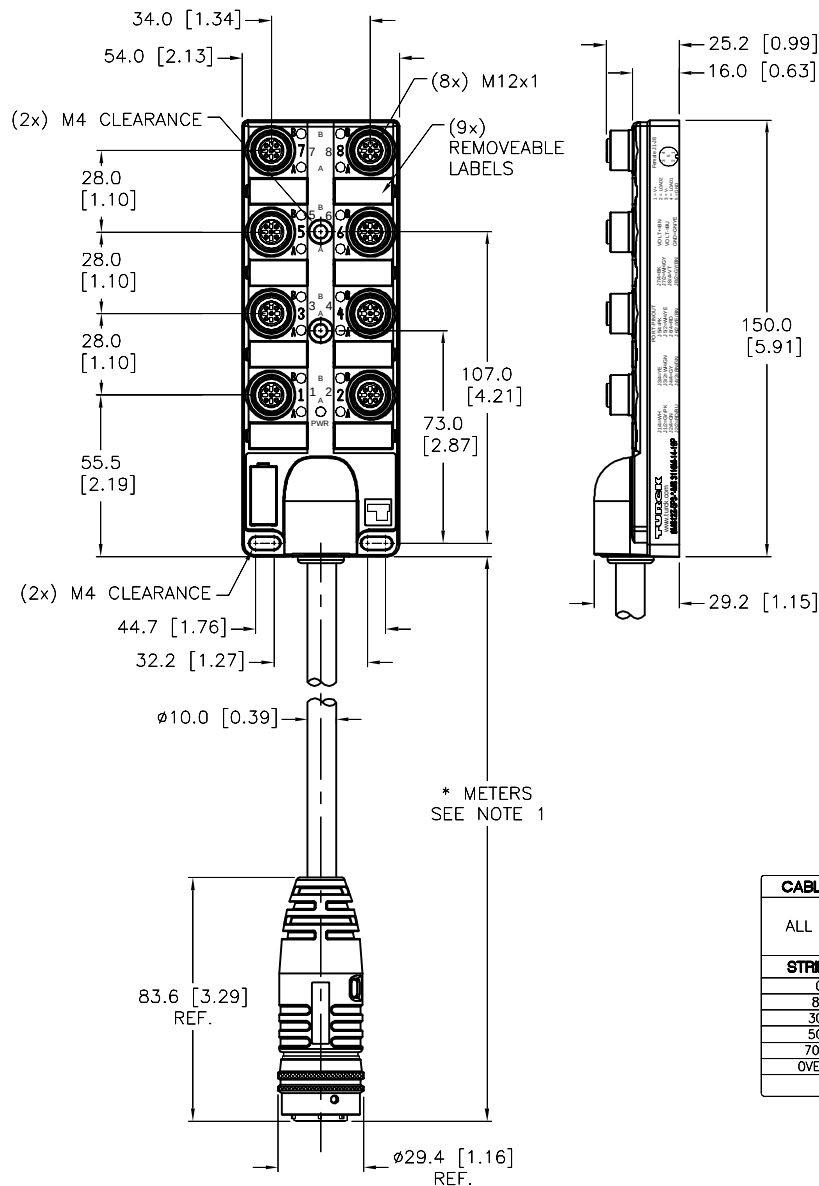
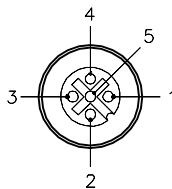




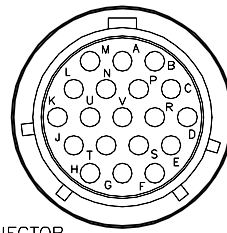
NOTES:

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

FEMALE END VIEW



MALE END VIEW



CONNECTOR
TYPE/STYLE - MS 3116M
SHELL SIZE - 14
INSERT ARRANGEMENT - 19P

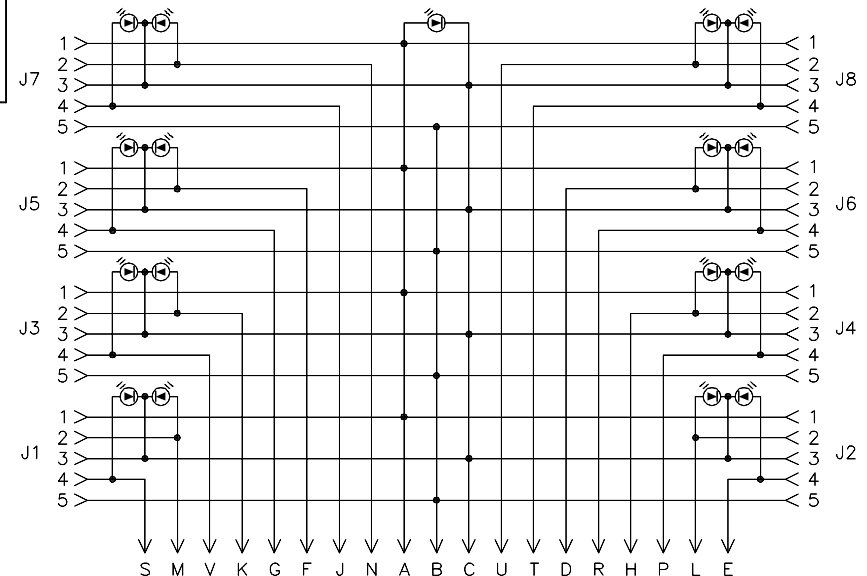
CABLE LENGTH	TOLERANCE*
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE*
0-7mm	±0.5mm
8-29mm	±1.0mm
30-49mm	±2.0mm
50-69mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm

*UNLESS OTHERWISE SPECIFIED

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	FPM/FKM
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

RELATED DOCUMENTS		3RD ANGLE PROJECTION		THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED. TURCK		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us	
1.							
2.							
3.							
4.							
MATERIAL		DRFT KMY		DATE 07/16/14		DESCRIPTION	
SEE SPECIFICATIONS		APVD M.A.		SCALE 1=2.7		8MB12Z-5P3-*--MS 3116M-14-19P	
		UNIT OF MEASUREMENT					
FINISH		CONTACT TURCK FOR MORE INFORMATION		MILLIMETER [INCH]		IDENTIFICATION NO.	
SEE SPECIFICATIONS						REV	
						C	
		DO NOT SCALE THIS DRAWING		FILE: 777034810		SHEET 1 OF 1	