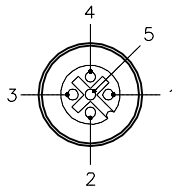
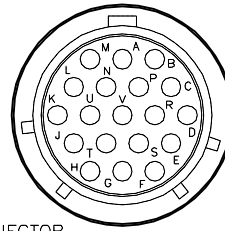


FEMALE END VIEW



MALE END VIEW

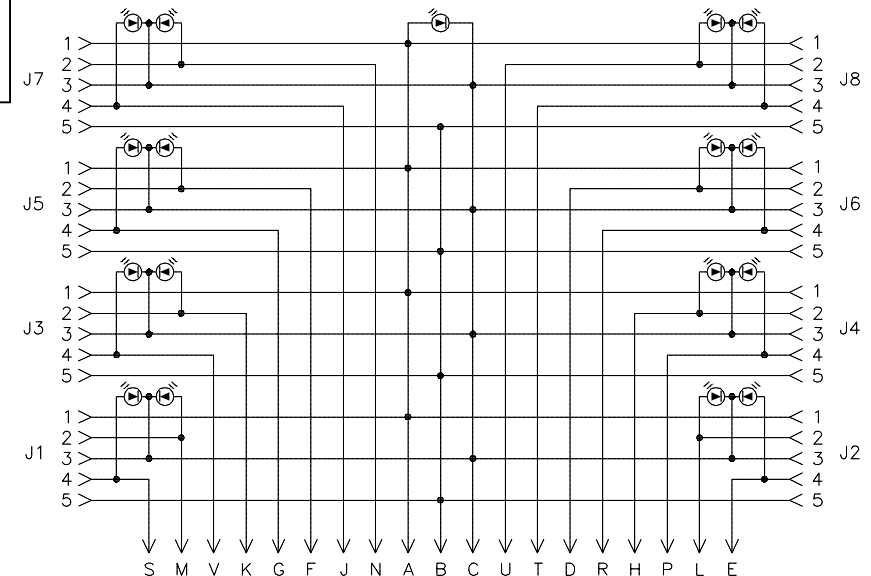


CONNECTOR  
TYPE/STYLE - MS 3116M  
SHELL SIZE - 14  
INSERT ARRANGEMENT - 19P

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	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]	4.0 AMPS/SIGNAL, 12.0 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



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

SOURCE DRAWING - FOR REFERENCE ONLY

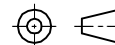
NOTES:

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

RELATED DOCUMENTS

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

3RD ANGLE PROJECTION



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(763) 553-7300  
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MATERIAL

SEE SPECIFICATIONS

FINISH

SEE SPECIFICATIONS

ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY

CONTACT TURCK FOR MORE INFORMATION

DRFT KMY

DATE 07/16/14

APVD M.A.

SCALE 1=2.7

UNIT OF MEASUREMENT  
**MILLIMETER [ INCH ]**

DO NOT SCALE THIS DRAWING

DESCRIPTION  
8MB12Z-5P3--\*MS 3116M-14-19P

IDENTIFICATION NO.

REV

E

E	UPDATE RATED CURRENT RATING	RDS	10/09/18	67134
REV	DESCRIPTION	BY	DATE	ECO NO.

FILE: 777034810

SHEET 1 OF 1