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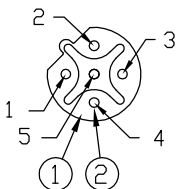
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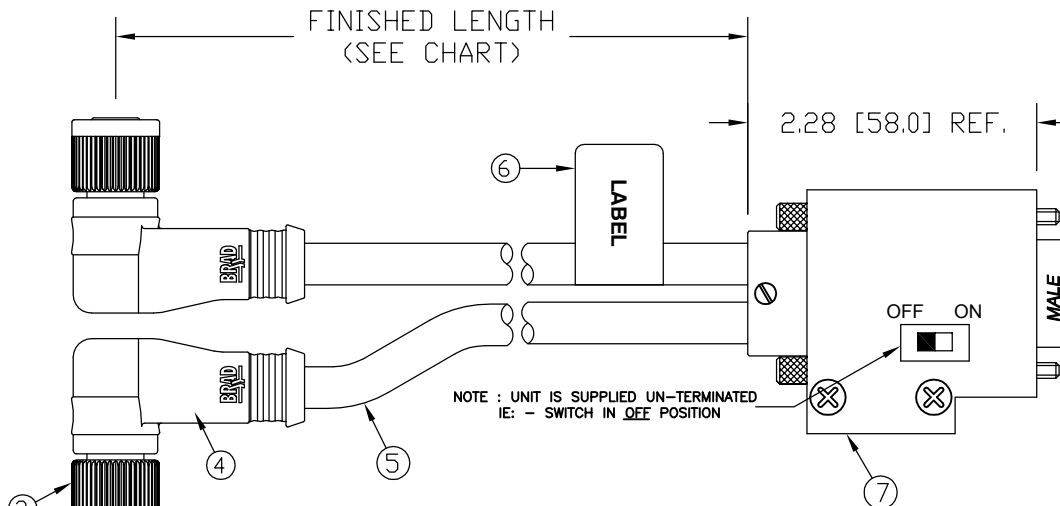
1

MATERIAL NUMBER	ENGINEERING NUMBER	FINISHED LENGTH
1200980194	BM5G31PP4M010	1.0M +55.6mm -0 [3.28' +2.19" -0]
1200980195	BM5G31PP4M050	5.0M +165.1mm -0 [16.40' +6.50" -0]

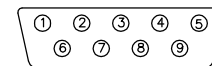
MICRO-CHANGE FEMALE FACE VIEW



FINISHED LENGTH (SEE CHART)



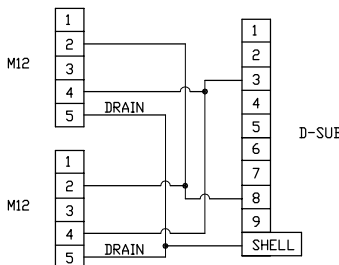
9 WAY D-SUB MALE FACE VIEW



PINS 1, 2, 4, 5, 7, & 9 ARE NOT CONNECTED ON D-SUB

M21x1 INTERNAL THD.

1.23 [31.3] REF.



WIRING DIAGRAM

VOLTAGE RATING	250 VAC/VDC
AMPERAGE RATING	4 AMPS
PROTECTION FOR M12 CONNECTOR	IP67
PROTECTION FOR D-SUB	IP40
OPERATING TEMPERATURE - M12 HEAD	-20°C TO 80°C
OPERATING TEMPERATURE - D-SUB	0°C TO 60°C

ITEM	COMPONENT	MATERIAL	FINISH
1	M12 INSERT	NYLON	BLACK
2	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
3	COUPLING NUT	BRASS	NICKEL PLATED
4	OVERMOLD	PUR	YELLOW
5	CABLE- 22 AWG, COPPER STRANDING TWISTED PAIR, SHIELD WITH BRAID	PUR	PURPLE
6	LABEL	MLYAR	BLACK/YELLOW
7	D-SUB	ABS	BLACK

RELEASED DRAWING  
 EC NO: WELU2010-0081  
 DRWN: LHARTMAN 8/26/09  
 CHKD: BWOODMAN 09/08/27  
 APPR: JFMURPHY 2009/08/28

QUALITY SYMBOLS  
 ▽=0  
 ▽/C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±----
2 PLACES	±----	±.01
1 PLACE	±0.3	±----
ANGULAR ±----°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE IN/MM

DRAWN BY DATE

LHARTMAN 2009/08/26

CHECKED BY DATE

BWOODMAN 2009/08/27

APPROVED BY DATE

JFMURPHY 2009/08/27

MATERIAL NO.

SEE TABLE

SIZE A

SCALE NTS

DESIGN UNITS INCH

THIRD ANGLE PROJECTION

TITLE  
**MICRO-CHANGE PROFIBUS 5P FE 90 REV KEY - D-SUB #22/2 SHLD PURPLE PUR**

**MOLEX INCORPORATED**

DOCUMENT NO. SD-120098-015

SHEET NO. 1 OF 1

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