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MATERIAL NUMBER	ENGINEERING NUMBER	LENGTH - DROP	LENGTH - LEG 1	LENGTH - LEG 2
130039-0396	DNYG001	0.3M +19.1mm -0 [0.98' +0.75' -0]	0.3M +19.1mm -0 [0.98' +0.75' -0]	0.6M +44.5mm -0 [1.96' +1.75' -0]

Technical drawing of a Micro-Change Splitter. The drawing includes a side view and two face views (Male and Female). Dimensions are provided in millimeters and inches. Callouts 1 through 8 identify components. The side view shows a central coupler (3) with two legs (1 and 2) extending from it. The 'DROP' length is indicated as (SEE CHART) with sub-dimensions of 4.0 [102] REF. and 2.02 [51.3] REF. The diameter of the main body is  $\phi 0.57$  [14.5] REF. The coupler has a diameter of 1.53 [38.7] REF. The legs have a diameter of 1.79 [45.5] REF. The male face view shows a circular connector with 5 pins. The female face view shows a circular connector with 5 pins. The wiring diagram shows the connection between the pins and the drain, V+, V-, CAN H, and CAN L lines.

NOTES:

1) MATERIALS: SEE TABLE  
 2) FINISHES: SEE TABLE  
 3) CABLE: #22/4 SHIELDED +DRAIN PVC  
 4) ELECTRICAL DATA:  
 MAX. VOLTAGE: 250 VAC/VDC  
 MAX. CURRENT: 4 AMPS  
 5) ENVIRONMENTAL:  
 PROTECTION: IP67  
 TEMPERATURE RANGE: -20°C TO 105°C  
 6) WRAP LABEL IS MARKED WITH P/N, DATE CODE,  
 VOLTAGE & AMPERAGE.  
 7) ASSEMBLY IS RoHS COMPLIANT.

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
8	1	LABEL	MYLAR	BLACK/YELLOW
7	3	COUPLER	ZINC DIE-CAST	BLACK E-COAT
6	2	O-RING	NITRILE	RED
5	15	MICRO-CHANGE CONTACT	COPPER ALLOY	GOLD OVER NICKEL
4	3	MICRO-CHANGE INSERT	NYLON	BLACK
3	1	SPLITTER OVERMOLD	PVC	GRAY
2	3	MICRO-CHANGE OVERMOLD	PVC	GRAY
1	3	#22/4+DR. DEVICE-NET CABLE	PVC JACKET	GRAY

RELEASED DRAWING EC NO: WNA2010-0152 DRWN: LHARTMAN 8/28/09 CHKD: BWOODMAN 09/08/28 APPR: JFMURPHY 2009/08/31	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla C=0$	4 PLACES ±--- 3 PLACES ±--- 2 PLACES ±--- 1 PLACE ±0.3	IN/MM	NTS	INCH	

ANGULAR ±---°

**DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS**

DRAWN BY	DATE	TITLE
LHARTMAN	2009/08/28	MICRO-CHANGE SPLITTER 5P MA ST / 5P FE ST(2X) #22/4+DR PVC D-NET CABLE
CHECKED BY	DATE	
BWOODMAN	2009/08/28	
APPROVED BY	DATE	
JFMURPHY	2009/08/28	
MATERIAL NO.	SEE TABLE	
SIZE	A	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
NTS	INCH	
MOLEX INCORPORATED		
DOCUMENT NO.	SD-130039-016	SHEET NO.
		1 OF 1

WIRING DIAGRAM

Wiring diagram showing connections between pins 1-5 and lines 1-5. Pin 1 is connected to DRAIN. Pin 2 is connected to V+. Pin 3 is connected to V-. Pin 4 is connected to CAN H. Pin 5 is connected to CAN L.

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