

13	12	11	10	9	8	7	6	5	4	3	2	1
MATERIAL NUMBER	OLD PART NUMBER	FINISHED LENGTH										
120113-0014	BEY801P-FBP-05	16.40' +6.50" -0 [5.0M +165.1 -0]										

Technical drawing of the Nano-Change MPIS 8 Port PNP Side Entry 5 Meter Pur Cable. The drawing includes a side view with dimensions (Finished Length, Port Spacing, etc.), a front view showing the 8 ports and mounting holes, and a detail of the cable connector. Callouts 1-8 identify components.

Wiring diagram showing the internal connections of the cable. It maps 8 ports to 4 pins each, with color coding for cable colors and connection points for +V and -V.

ITEM	COMPONENT	MATERIAL	FINISH
1	INSERT	POLYESTER	YELLOW
2	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
3	O-RING	VITON	RED
4	RECEPTACLE SHELL	BRASS	NICKEL PLATED
5	HOUSING	NYLON	YELLOW
6	CABLE- 18AWG, 2 CONDUCTOR; 22 AWG, 8 CONDUCTOR, 300V	PVC	YELLOW
7	LABEL	ABS	WHITE

RELEASED DRAWING

EC NO: WEU2010-0058

DRWN: LHARTMAN 8/19/09

CHKD: BWOODMAN2009/08/21

APPR: JFMURPHY 2009/08/21

A

DESCRIPTION

REV

QUALITY SYMBOL

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

4 PLACES ±--- mm INCH

3 PLACES ±--- mm INCH

2 PLACES ±--- mm INCH

1 PLACE ±0.3 mm INCH

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

DRAWN BY DATE

LHARTMAN 2009/08/21

CHECKED BY DATE

BWOODMAN 2009/08/21

APPROVED BY DATE

MATERIAL NO.

SEE CHART

SIZE

C

SCALE

NTS

DESIGN UNITS

METRIC

THIRD ANGLE PROJECTION

TITLE

NANO-CHANGE MPIS 8 PORT PNP SIDE ENTRY 5 METER PUR CABLE

MOLEX INCORPORATED

DOCUMENT NO.

SD-120113-003

SHEET NO.

1 OF 1

VOLTAGE RATING

10-30 VDC

AMPERAGE RATING PER PORT

2 AMPS

PROTECTION

IP67

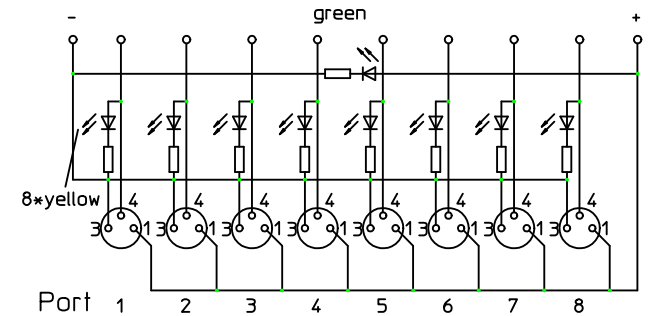
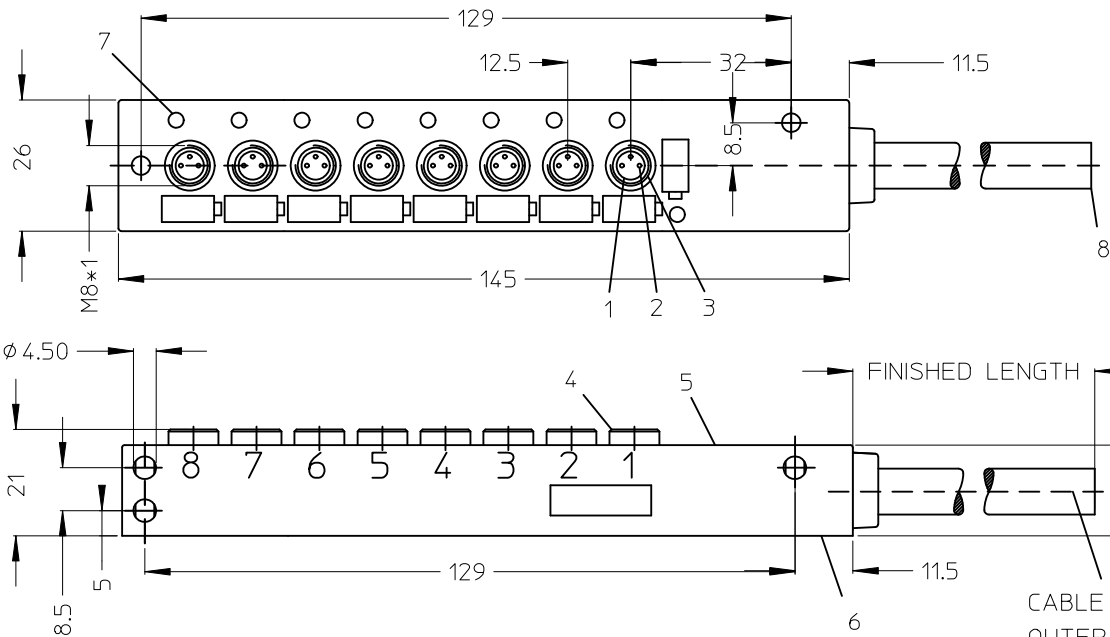
OPERATING TEMPERATURE

-20°C TO 90°C

ITEM	COMPONENT	MATERIAL	FINISH
1	INSERT	POLYESTER	YELLOW
2	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
3	O-RING	VITON	RED
4	RECEPTACLE SHELL	BRASS	NICKEL PLATED
5	HOUSING	NYLON	YELLOW
6	CABLE- 18AWG, 2 CONDUCTOR; 22 AWG, 8 CONDUCTOR, 300V	PVC	YELLOW
7	LABEL	ABS	WHITE

RELEASED DRAWING EC NO.: WFU2010-0058 DRWN.: LHARTMAN 8/19/09 CHK'D.: BWOODMAN 2009/08/21 APPR.: JFMURPHY 2009/08/21 A	DESCRIPTION REV	QUALITY SYMBOL	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		 =0  =0		mm	INCH	DRAWN BY LHARTMAN	DATE 2009/08/21	TITLE NANO-CHANGE MPIS 8 PORT PNP SIDE ENTRY 5 METER PUR CABLE			
		4 PLACES	±----	±----	CHECKED BY BWOODMAN	DATE 2009/08/21					
		3 PLACES	±----	±----	APPROVED BY	DATE					
		2 PLACES	±----	±.01	-----		-----		 MOLEX INCORPORATED		
		1 PLACE	±0.3	±----							
		ANGULAR ±----°			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-120113-003		SHEET NO. 1 OF 1
					SIZE C	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

SAP-NUMBER	OLD PART NUMBER	FINISHED LENGTH
1201130014	BEY801P-FBP-05	5000
1201130015	BEY801P-FBP-10	10000



Contact configuration	wire colour	wire mm ²	Port	M8 connector Contact-No.
	brown (+)	0.75	1-8	1
	blue (-)	0.75	1-8	3
	white	0.34	1	4
	green	0.34	2	4
	yellow	0.34	3	4
	grey	0.34	4	4
	pink	0.34	5	4
	red	0.34	6	4
	black	0.34	7	4
	violet	0.34	8	4

CLOSURE CAP



SAP no. 1203080677
Quantity 2

VOLTAGE RATING	10 - 30 VDC
AMPERAGE RATING PER PORT	2 A MAX/PORT 6 A MAX. TOTAL
PROTECTION	IP 67
OPERATING TEMPERATURE	-25°C / +90 °C

ITEM	COMPONENT	MATERIAL	FINISH
1	INSERT	PUR	BLACK
2	CONTAC SOCKET	BRASS	GOLD OVER NICKEL
3	O-RING	VITON	---
4	RECEPTACLE SHELL	BRASS	NICKEL PLATED
5	HOUSING	PBT	YELLOW
6	LABEL	ABS	WHITE
7	LENS	PA	CLEAR
8	CABLE	PUR	---

NEW RELEASE
EC NO: WEU2010-0248
2010/01/08
DRWN:SBH
CHKD:APOHL_WEU
2010/01/08
APPR:NSTAUDIGEL
2010/01/29

QUALITY SYMBOLS
▽=0
C=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
4 PLACES	± ---
3 PLACES	± ---
2 PLACES	± ---
1 PLACE	± 0.3
ANGULAR ± ---°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
SBH	2010/01/08
CHECKED BY	DATE
APPOHL_WEU	2010/01/08
APPROVED BY	DATE
NSTAUDIGEL	2010/01/29
MATERIAL NO.	
SEE TABLE	
SIZE	
A3	

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	METRIC	
TITLE		
M8-MPIS 8 PORT CABLE 3 POL STRAIGHT OUTLINE		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-120113-016		1 OF 1
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		