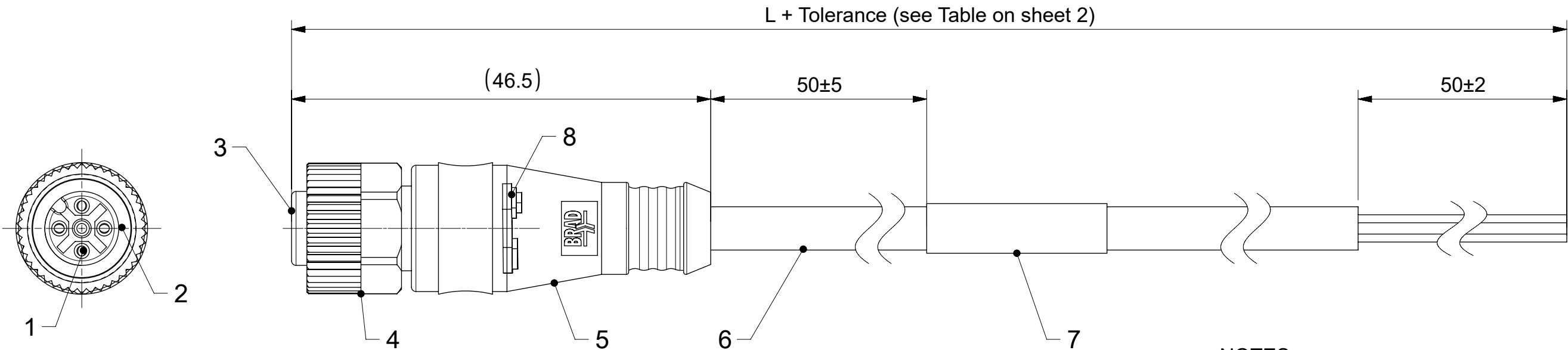
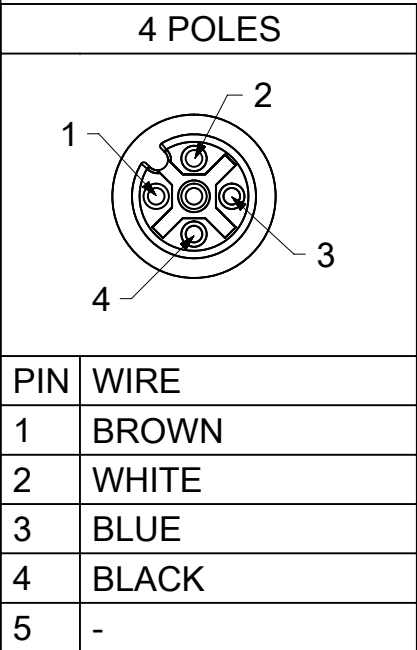


FEMALE PLUG M12 STRAIGHT PNP LED



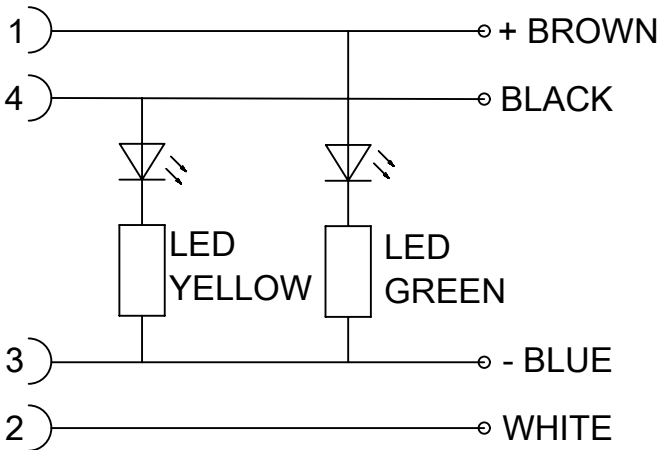
NOTES:
ELECTRICAL DATA :
VOLTAGE RATING : 10-30V
AMPERAGE RATING : 4A
INSULATION RESISTANCE : 10⁸Ω MIN
MATING CYCLES : MIN. 100
ENVIRONMENTAL :
PROTECTION : IP67 in mated and locked position
OPERATING TEMPERATURE : SEE CABLE LIST

CONTACT POSITION
FRONT VIEW:



CODING REQUIRED TO
IEC 61076-2-101

PNP WIRING



BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
1	4	CONTACT M12 FEMALE	Cu ALLOY	SELECTIVE GOLD OVER NICKEL
2	1	ORING	FPM	RED
3	1	INSERT FEMALE	PUR	BLACK
4	1	COUPLING NUT FEMALE	BRASS	NICKEL PLATED
5	-	OVERMOULDING	TPU	TRANSPARENT
6	-	CABLE	SEE CABLE LIST	---
7	1	LABEL	VINYL	YELLOW
8	1	PCB PNP	---	---

FUNCTIONAL SYMBOLS DIMENSION UNITS SCALE 2:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° DIVISIONAL SYMBOLS	4 PLACES ±	CURRENT REV DESC: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES. SORTED PART LIST USING CABLE TYPES ON SHEET 2			molex		
	3 PLACES ±						
	2 PLACES ± 0.05	EC NO: 789428 DRWN: AKABADI CHK'D: RSILLER APPR: RSILLER			CSE M12 PNP 4P AC FE STR WSOR XM SE BK		
	1 PLACE ± 0.1	INITIAL REVISION: DRWN: APAWLAK01 APPR: MIWASIECZKO			PRODUCT CUSTOMER DRAWING		
	0 PLACES ± 0.2	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			DOCUMENT NUMBER 1200678463	DOC TYPE PSD	DOC PART 000
		THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 120067	MATERIAL NUMBER SEE PART LIST	CUSTOMER GENERAL MARKET	REVISION B
					SHEET NUMBER 1 OF 2		

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

8040P0B30XXX

80 = M12x1
Single ended

Poles:
4 = 4 Poles

Heads style:
0P0 = Plug Female
Straight PNP LED

Cable:
B30 = 0.34mm² TPU Black

Units:
M = Meter

Length
Examples:
005 = 0.5 m
010 = 1 m
020 = 2 m
050 = 5 m
100 = 10 m
150 = 15 m
200 = 20 m

CABLE LIST

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
B30	4	0.34mm²	TPU BLACK	UL STYLE 21215	YES	-40°C to +90°C, 5xD	-25°C to +80°C, 7.5xD	-	-

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

PART LIST

MOLEX PN	ENGINEERING No.	L [mm]
4P CABLE B30		
1200678463	8040P0B30M010	1000
1200678464	8040P0B30M020	2000
1200678465	8040P0B30M030	3000
1200678430	8040P0B30M050	5000
1200678466	8040P0B30M100	10000

FUNCTIONAL SYMBOLS

FA

=

0

FE

=

0

FE

=

0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

1:1

CURRENT REV DESC: AS PER THE PCN-513749
CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES.
SORTED PART LIST USING CABLE TYPES ON SHEET 2

EC NO: 789428

DRWN: AKABADI

CHK'D: RSILLER

APPR: RSILLER

2023/08/02

2024/07/02

2024/07/02

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

INITIAL REVISION:

DRWN: APAWLAK01

APPR: MIWASIECZKO

2016/05/16

2016/05/20

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200678463

PSD

000

B

A3-SIZE

120067

SEE PART LIST

GENERAL MARKET

2 OF 2

molex

CSE M12 PNP 4P AC FE STR WSOR XM SE BK

PRODUCT CUSTOMER DRAWING

FORMAT: mox-std-005-A3
REVISION: JT
DATE: 2021/05/01