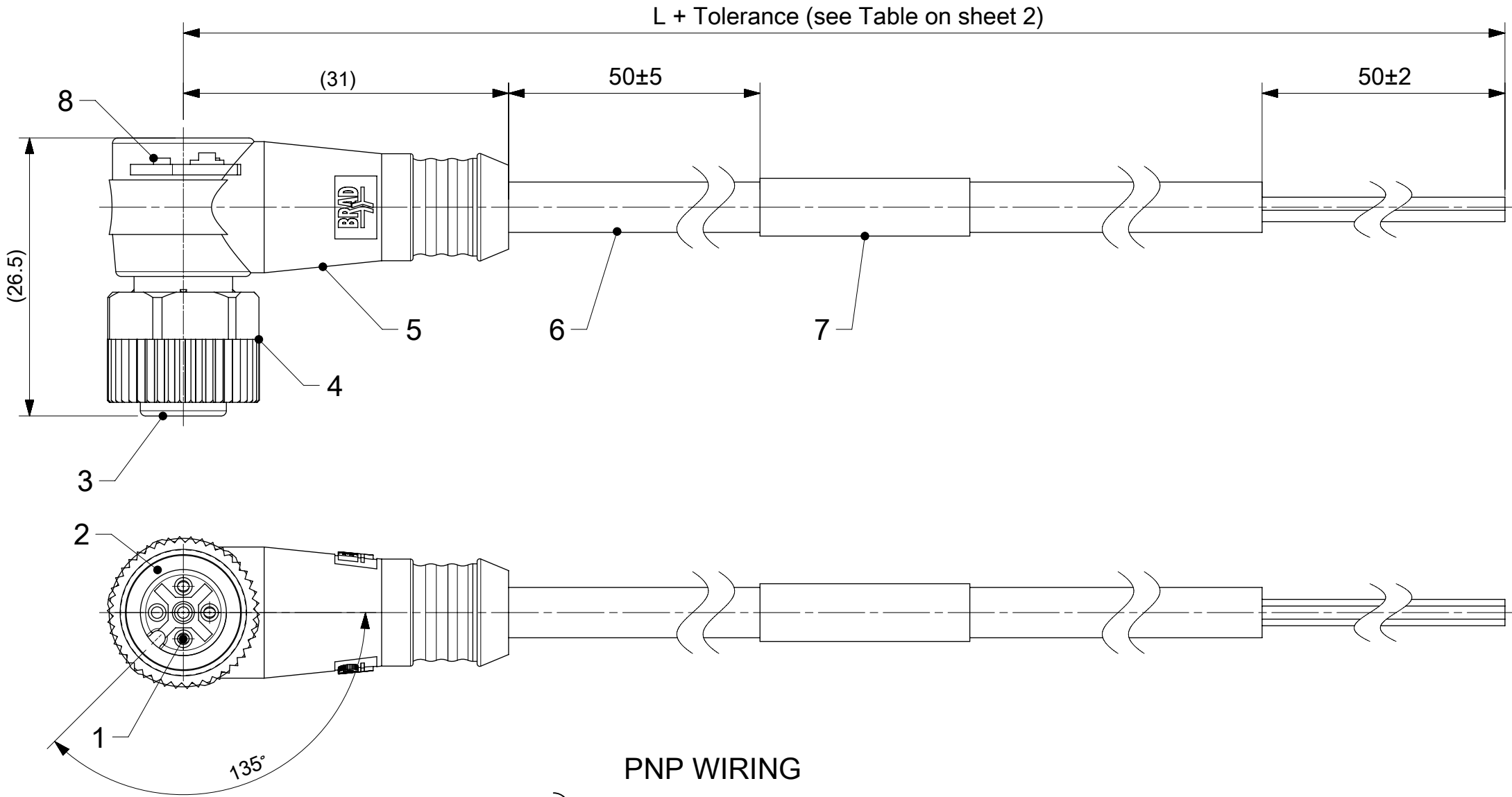
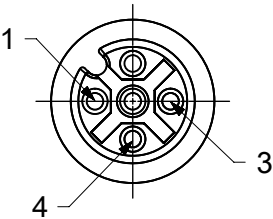


FEMALE PLUG M12 90° ANGLED PNP LED



CONTACT POSITION
FRONT VIEW:

3 POLES



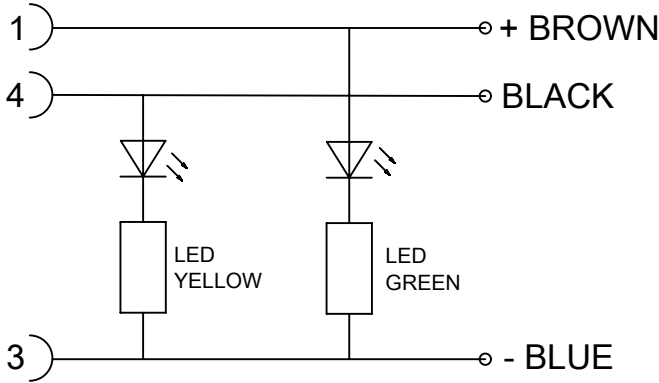
PIN	WIRE
1	BROWN
2	-
3	BLUE
4	BLACK
5	-

CODING REQUIRED TO
IEC 61076-2-101

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/02	09:18:12
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NOTES:
ELECTRICAL DATA :
VOLTAGE RATING : 10-30V DC
AMPERAGE RATING : 4A
INSULATION RESISTANCE : 10⁸Ω MIN
MATING CYCLES : MIN. 100
ENVIRONMENTAL :
PROTECTION : IP67 in mated and locked position
OPERATING TEMPERATURE : -25°C TO +85°C

PNP WIRING



BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	3	FEMALE CONTACT	BRONZE	SELECTIVE GOLD OVER NICKEL
2	1	GASKET	FPM	RED
3	1	INSERT FEMALE	PUR	BLACK
4	1	COUPLING NUT FEMALE	BRASS	NICKEL PLATED
5	-	OVERMOULD	TPU	TRANSPARENT
6	-	CABLE	SEE SHEET 2	---
7	1	LABEL	VINYL	YELLOW
8	1	PCB PNP	---	---

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		molex CSE M12 PNP 3P AC FE RA WSOR XM SE BK PRODUCT CUSTOMER DRAWING			
	1	2				
	3	4				
	5	6				
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 789428 DRWN: AKABADI CHK'D: RSILLER APPR: RSILLER			
	ANGULAR TOL ± 1.0 °		2023/05/19 2024/07/02			
	4 PLACES ±		INITIAL REVISION: DRWN: APAWLAK01 APPR: MIWASIECZKO			
	3 PLACES ±		2016/04/22 2016/05/20			
2 PLACES ± 0.05		1 PLACE ± 0.1		DOCUMENT NUMBER		
1 PLACE ± 0.2		0 PLACES ± 0.2		1200678450		PSD 000 B
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SHEET NUMBER
		A3-SIZE		120067		SEE SHEET 2 GENERAL MARKET 1 OF 2

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

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80 = M12x1
Single ended

Poles:
3 = 3 Poles

Heads style:
0P1 = Plug Female 90°
Angled 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 TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAW CHAIN	SHIELD
B30	3	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	
shorter 1m	+40 mm	-0 mm
1m-5m	+60 mm	-0 mm
5m-10m	+80 mm	-0 mm
10m-20m	+140 mm	-0 mm
20m-30m	+160 mm	-0 mm
longer 30m	+1%	-0 mm

PART LIST		
MOLEX PN	ENGINEERING PN	LENGTH [mm]
3P CABLE B30		
1200678450	8030P1B30M010	1000
1200678451	8030P1B30M020	2000
1200678452	8030P1B30M030	3000
1200678432	8030P1B30M050	5000
1200678453	8030P1B30M100	10000
1200678537	8030P1B30M150	15000

FUNCTIONAL SYMBOLS

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