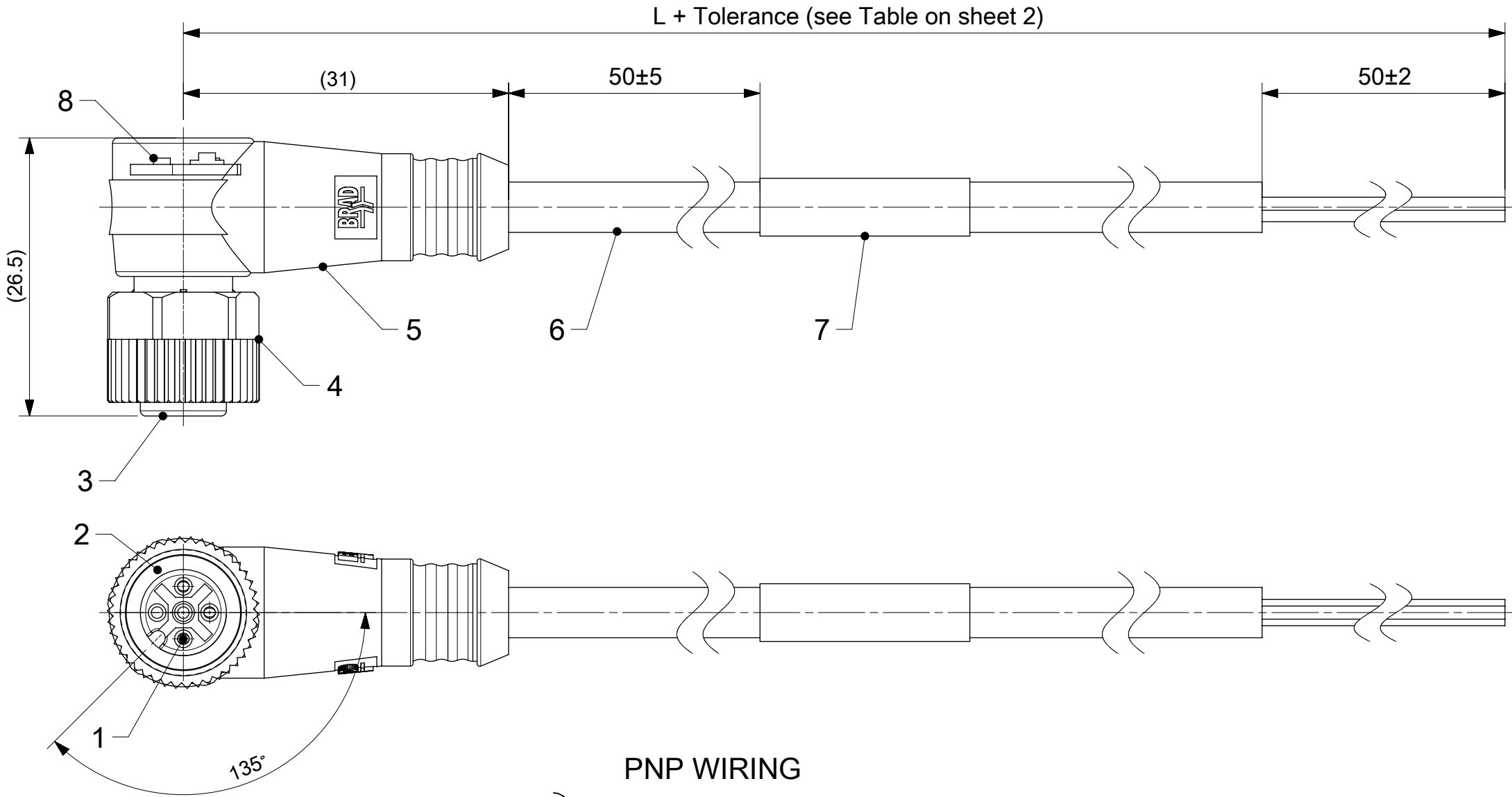
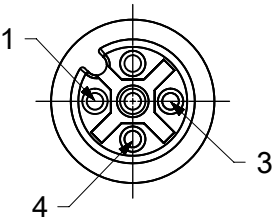


FEMALE PLUG M12 90° ANGLED PNP LED



CONTACT POSITION
FRONT VIEW:

3 POLES



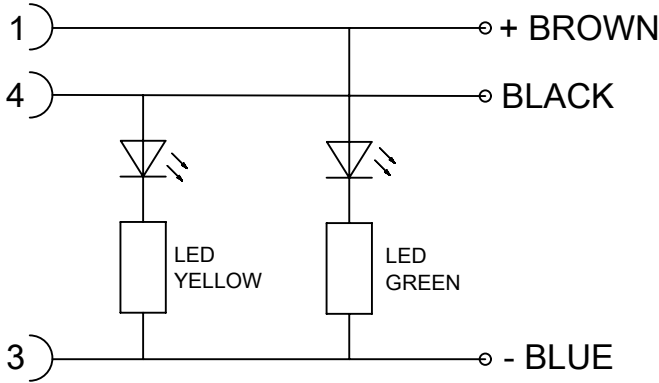
PIN	WIRE
1	BROWN
2	-
3	BLUE
4	BLACK
5	-

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																	
	DIMENSION UNITS		SCALE		CURRENT REV DESC: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES.					molex								
	mm		2:1															
	GENERAL TOLERANCES (UNLESS SPECIFIED)																	
	ANGULAR TOL ± 1.0 °																	
	4 PLACES		±		EC NO: 789428					CSE M12 PNP 3P AC FE RA WSOR XM SE BK								
	3 PLACES		±		DRWN: AKABADI 2023/05/19													
	2 PLACES		± 0.05		CHK'D: RSILLER 2024/07/02													
	1 PLACE		± 0.1		APPR: RSILLER 2024/07/02					PRODUCT CUSTOMER DRAWING								
	0 PLACES		± 0.2		INITIAL REVISION:													
DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER			DOC TYPE		DOC PART		REVISION	
										1200678450			PSD		000		B	
										MATERIAL NUMBER			CUSTOMER			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).

8030P1B30XXX

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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