

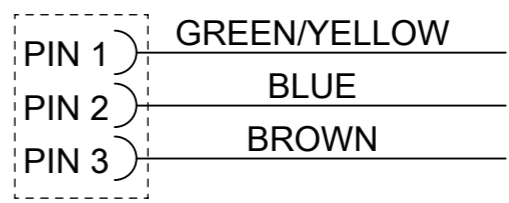
PART No MATRIX

9 0 3 0 0 1 \* \* \* M \* \* \* \*

OPTIONS

- 90 = Micro Change M12 (AC) SINGLE ENDED
- POLES 3 = 3 POLES
- HEADER 001=M12 FEMALE 90°
- CABLE TYPE SEE TABLE 1
- UNITS M = METERS
- LENGTH EXAMPLES 010 = 1 m 050 = 5 m 100 = 10 m
- OVERMOULD : BLANK = BLACK A = GREY G = BLACK Y = YELLOW

WIRING DIAGRAM



L+Tol. (SEE PART LIST)

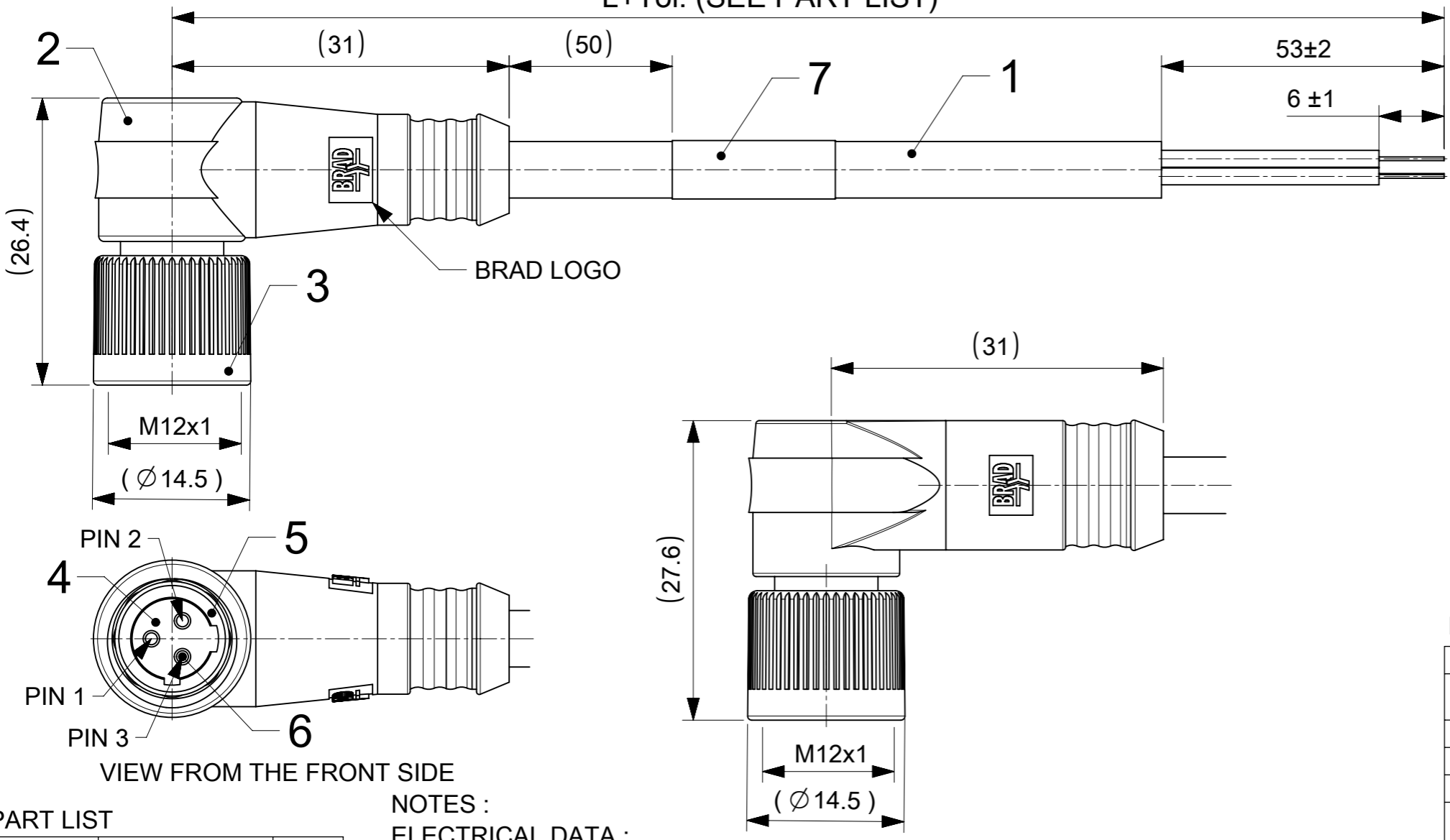


TABLE 1

CABLE	NO. OF WIRES	CONDUCTOR		CABLE JACKET		
		CROSS SECTION	MATERIAL	DIA.(MM)	MATERIAL	COLOR
P11	3	0.34mm <sup>2</sup>	STANDARD BARE COPPER	Ø5±0.30	PUR	BLACK
E11		0.34mm <sup>2</sup>		Ø5.1±0.1	PVC	YELLOW
I29		0.75mm <sup>2</sup>		Ø6.50±0.30	PVC	GREY
S26		0.34mm <sup>2</sup>		Ø6.2Min. Ø6.4Max.	PVC	YELLOW

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR
7	1	LABEL	VINYL	YELLOW
6	3	CONTACT FEMALE	Phosphor Bronze	GOLD OVER Ni-PLATED
5	1	GASKET	FPM	RED
4	1	INSERT FEMALE M12 3P	NYLON	BLACK
3	1	COUPLING NUT M12 FEMALE	ELECTROPHORETIC	BLACK
2	-	MOULDING MATERIAL (SEE MATRIX)	TPU	BLACK
			TPC	YELLOW
1	-	CABLE	SEE TABLE 1	SEE TABLE 1

PART LIST

MOLEX PN	ENGINEERING No	L [mm]
1200060801	903001P11M020	2000
1200728019	903001P11M050	5000
1200130004	903001P11M100	10000
1200728046	903001E11M030	3000
1200130003	903001E11M050	5000
1200130014	903001I29M030	3000
1200728116	903001I29M030Y	3000
1200728130	903001I29M100Y	10000
1200728020	903001S26M030	3000
1200728059	903001S26M050	5000
1200728131	903001S26M100	10000

NOTES :  
 ELECTRICAL DATA :  
 VOLTAGE RATING : 250V  
 AMPERAGE RATING : 3A  
 INSULATION RESISTANCE : 10<sup>8</sup>Ω MIN.  
 MATING CYCLES : MIN. 100

ENVIRONMENTAL :  
 PROTECTION : IP67 IN MATED AND LOCKED POSITION  
 OPERATING TEMPERATURE :  
 DYNAMIC: -5°C TO +70°C  
 STATIC: -30°C TO +70°C

BIGGER OVERMOULD FOR I29 & S26 CABLES

TABLE OF LENGHT TOLERANCES (mm)

OVER	UP TO AND INCLUDING	TOLERANCE
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF LENGTH

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FUNCTIONAL SYMBOLS:  $\sqrt{A} = 0$ ,  $\sqrt{E} = 0$ ,  $\sqrt{V} = 0$

DIVISIONAL SYMBOLS: 4 PLACES ±, 3 PLACES ±, 2 PLACES ±, 1 PLACE ±, 0 PLACES ±

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CURRENT REV DESC: ADD NEW PN 1200728131

SCALE: 2:1

GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 1.0°

EC NO: 689653  
 DRWN: RSILLER 2021/12/20  
 CHK'D: THAERDT 2021/12/22  
 APPR: THAERDT 2021/12/22

INITIAL REVISION:  
 DRWN: MDHARMANTI 2021/09/27  
 APPR: RSILLER 2021/10/04

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 120006

MATERIAL NUMBER: SEE PART LIST

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 1 OF 1

DOCUMENT NUMBER: 1200060801

DOC TYPE: PSD

DOC PART: 000

REVISION: A1

**molex**

MMC 3P AC 2KW FE 90 XM

PRODUCT CUSTOMER DRAWING