

FEMALE PLUG M12 90° ANGLED

NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V

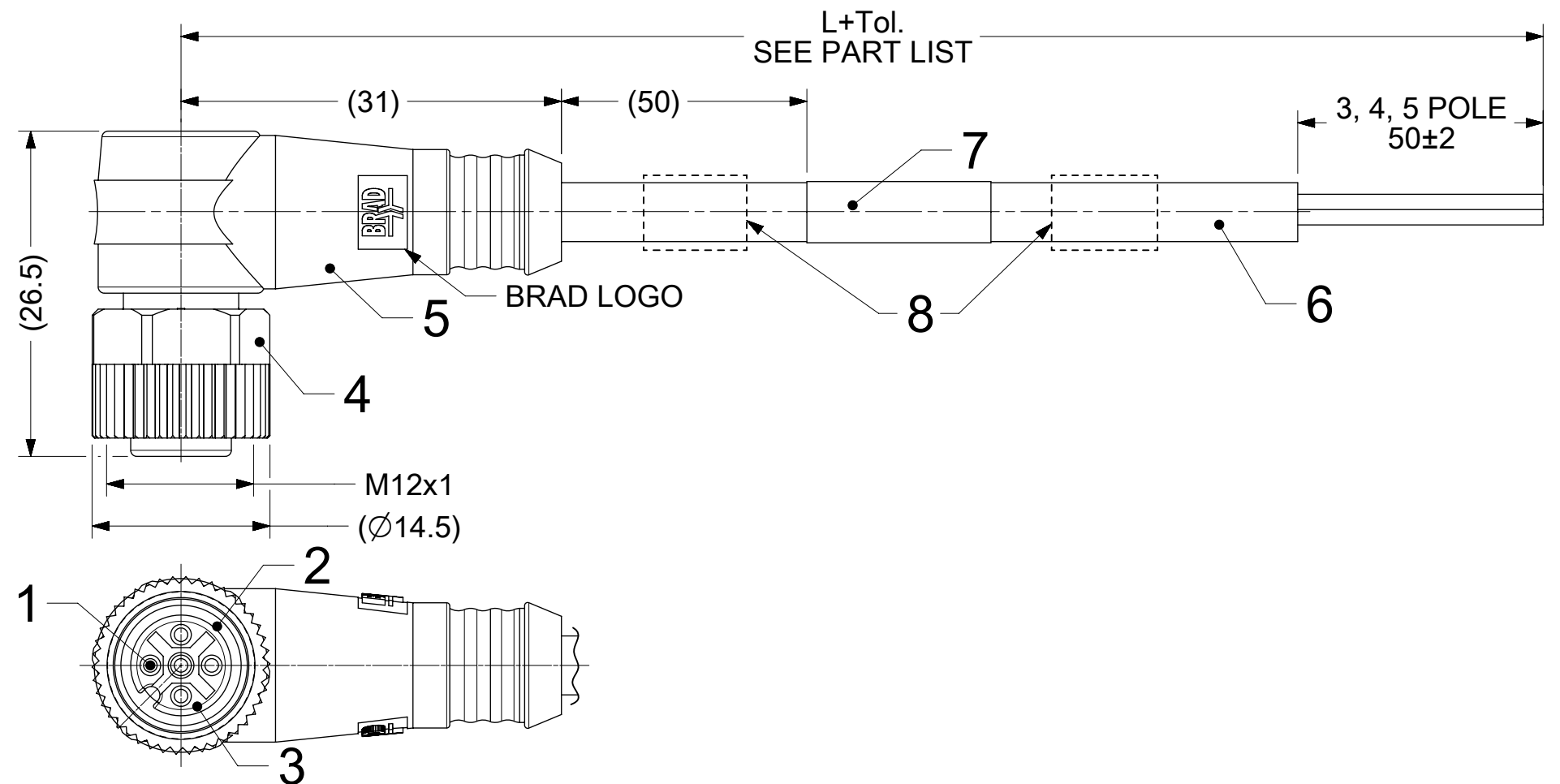
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A

TEMPERATURE: SEE CABLE INFORMATION

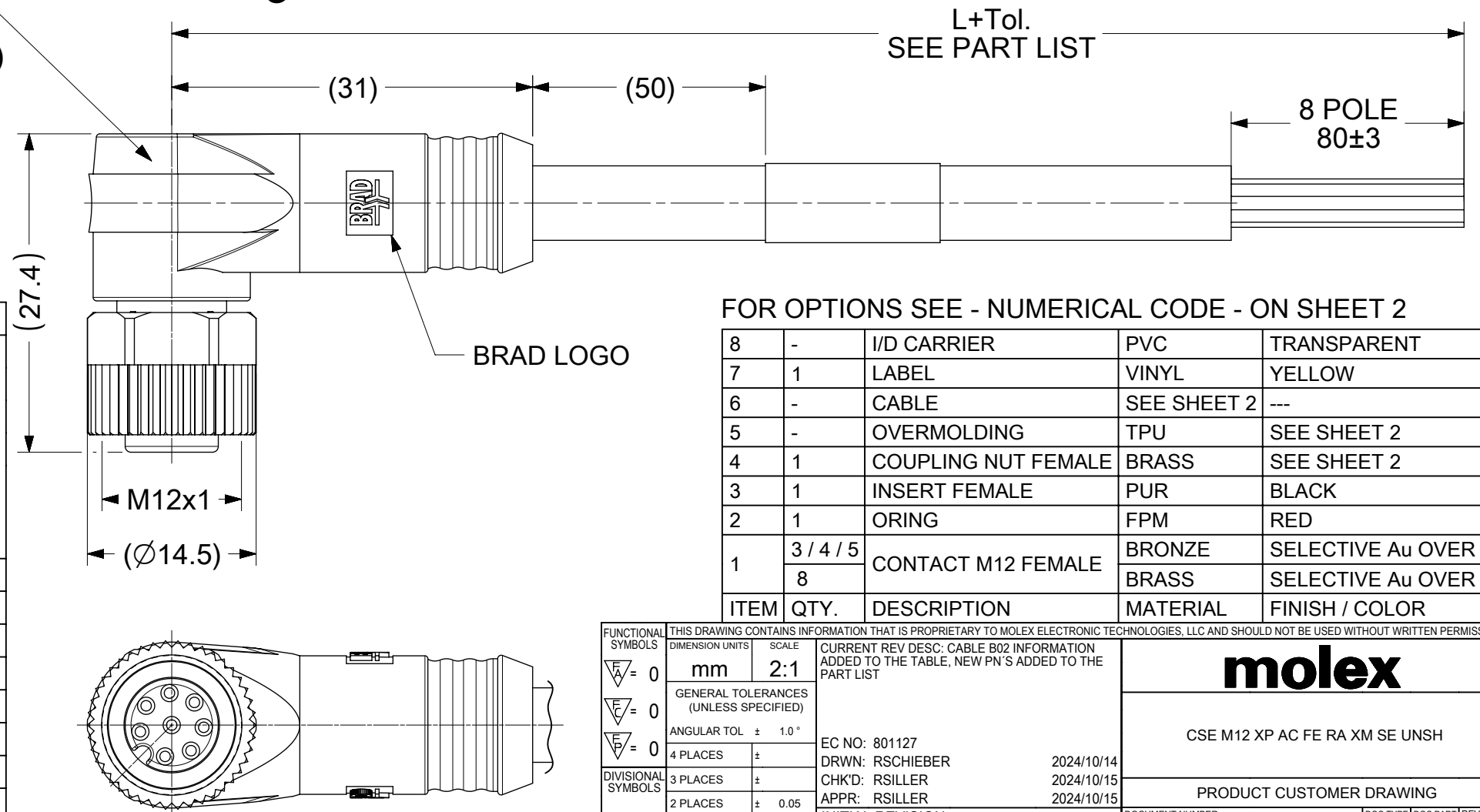
INSULATION RESISTANCE: $10^8 \Omega$ MIN.

MATING CYCLES: MIN. 100

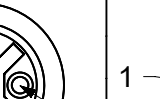
ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION



Thicker Overmold for Cables — with bigger Outer Diameter ($\phi > 6$)



CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
							
PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN	1	WHITE
2	---	2	WHITE	2	WHITE	2	BROWN
3	BLUE	3	BLUE	3	BLUE	3	GREEN
4	BLACK	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GREY OR GREEN/YELLOW	5	GREY
						6	PINK
						7	BLUE
						8	RED

CODING REQUIRED TO IEC 61076-2-101

DOCUMENT STATUS	P1	RELEASE DATE	2024/10/15	11:44:50
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FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

8	-	I/D CARRIER	PVC	TRANSPARENT
7	1	LABEL	VINYL	YELLOW
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOLDING	TPU	SEE SHEET 2
4	1	COUPLING NUT FEMALE	BRASS	SEE SHEET 2
3	1	INSERT FEMALE	PUR	BLACK
2	1	ORING	FPM	RED
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE Au OVER Ni
	8		BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: CABLE B02 INFORMATION ADDED TO THE TABLE, NEW PN'S ADDED TO THE PART LIST				molex						
	mm		2:1												
DIVISIONAL SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC FE RA XM SE UNSH										
	ANGULAR TOL ± 1.0°														
	4 PLACES		±		PRODUCT CUSTOMER DRAWING										
	3 PLACES		±												
	2 PLACES		± 0.05												
	1 PLACE		± 0.3		DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION		
	0 PLACES		± 0.5		1200656607				PSD		000		B1		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120065		SEE SHEET 3		GENERAL MARKET		1 OF 3	

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

8	0	X	0	0	1	X	X	X	X	X	X	X	X
---	---	---	---	---	---	---	---	---	---	---	---	---	---

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style: 001=Plug Female 90° Angled

Cable type: See Table

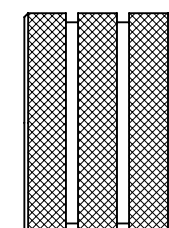
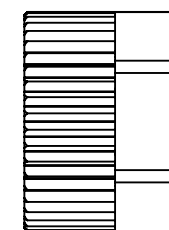
Units:
M=Meter

Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

OVERMOLD COLOR:
BLANK (STANDARD)= BLACK
Y= YELLOW, A= GREY,
G= BLACK, R= RED

COUPLING NUT:
 BLANK (STANDARD)= KNURLED -
 /HEX BRASS, Ni PLATED
 7 = KNURLED BRASS, Ni PLATED,
 TEFLON COATED
 5 = KNURLED DERLIN

H = 2 pcs. of I/D Carrier
PVC Transparent
(Cables B36 always with
2 pcs. I/D Carrier)



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN TESTED	OTHER	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU BLACK	STYLE 21215	YES	-40°C to +90°C, 5xO.D.	-25°C to +80°C, 7.5xO.D.	5 MIO CYCLES	WELD SLAG RESISTANCE	SD-120209-00
B42	5									SD-120209-00
B41	8	0.25mm²	SD-120209-00							
B36	4	0.34mm²	TPU ORANGE							SD-120209-00
B33	4 / 5	0.34mm²	TPU GRAY							SD-120209-00
B55	4 / 5	0.34mm²	TPU YELLOW							1552200001 P3
B02	4	0.75mm²	PUR YELLOW	STYLE 20549	YES	-	-	-	-	86-1842

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
E_A = 0		DIMENSION UNITS	SCALE	CURRENT REV DESC: CABLE B02 INFORMATION ADDED TO THE TABLE, NEW PN'S ADDED TO THE PART LIST				molex				
E_C = 0		mm	1:1									
E_P = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)										
DIVISIONAL SYMBOLS		ANGULAR TOL ± 1.0 °										
		4 PLACES ±										
		3 PLACES ±										
2 PLACES ± 0.05		EC NO: 801127				CSE M12 XP AC FE RA XM SE UNSH						
1 PLACE ± 0.3		DRWN: RSCHIEBER 2024/10/14										
0 PLACES ± 0.5		CHK'D: RSILLER 2024/10/15										
INITIAL REVISION:				APPR: RSILLER 2024/10/15				PRODUCT CUSTOMER DRAWING				
DRWN: SSM 2021/12/13				APPR: RSILLER 2022/02/28				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
								1200656607		PSD	000	B1
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
						A3-SIZE	120065	SEE SHEET 3		GENERAL MARKET		2 OF 3

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