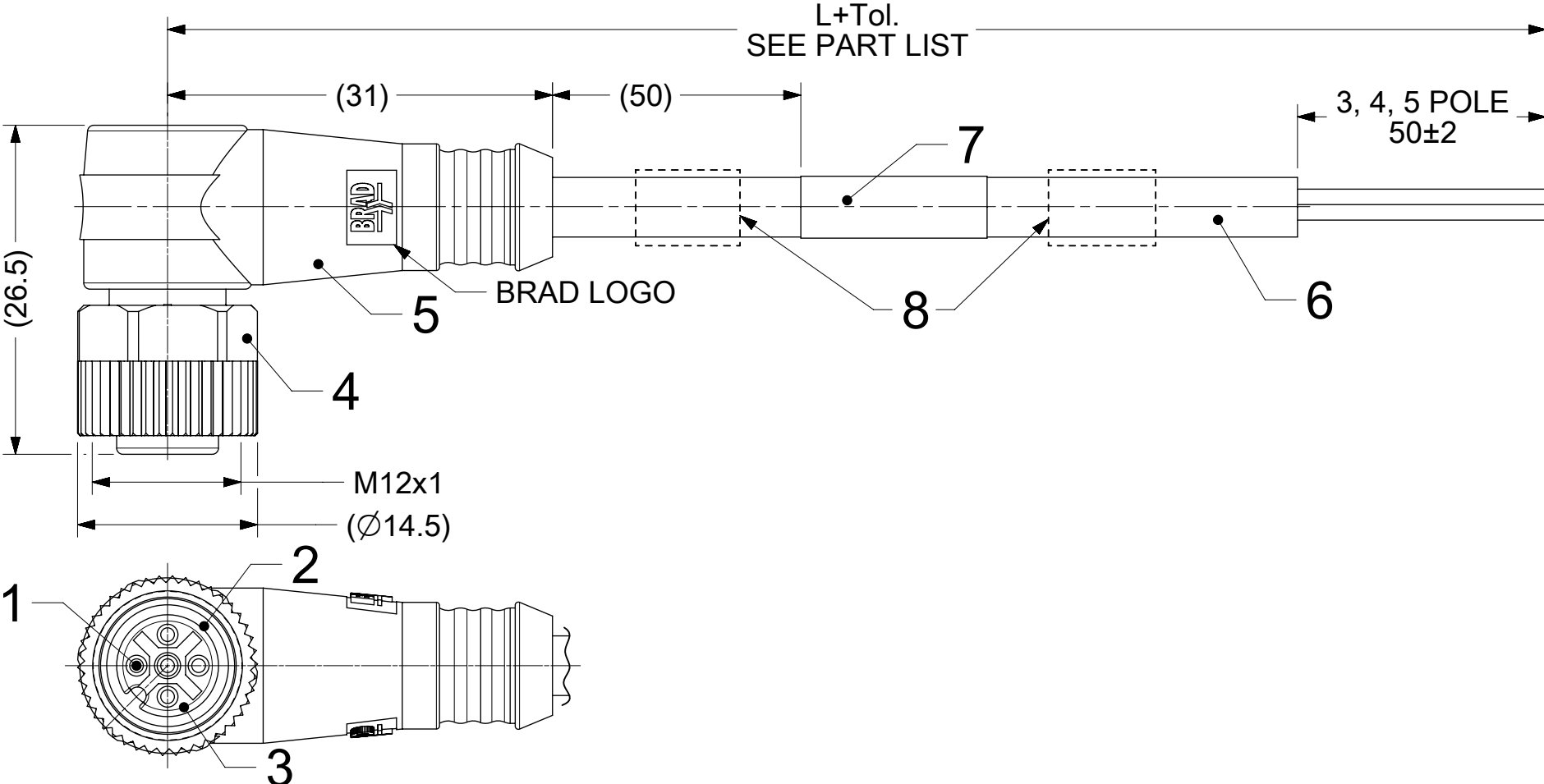
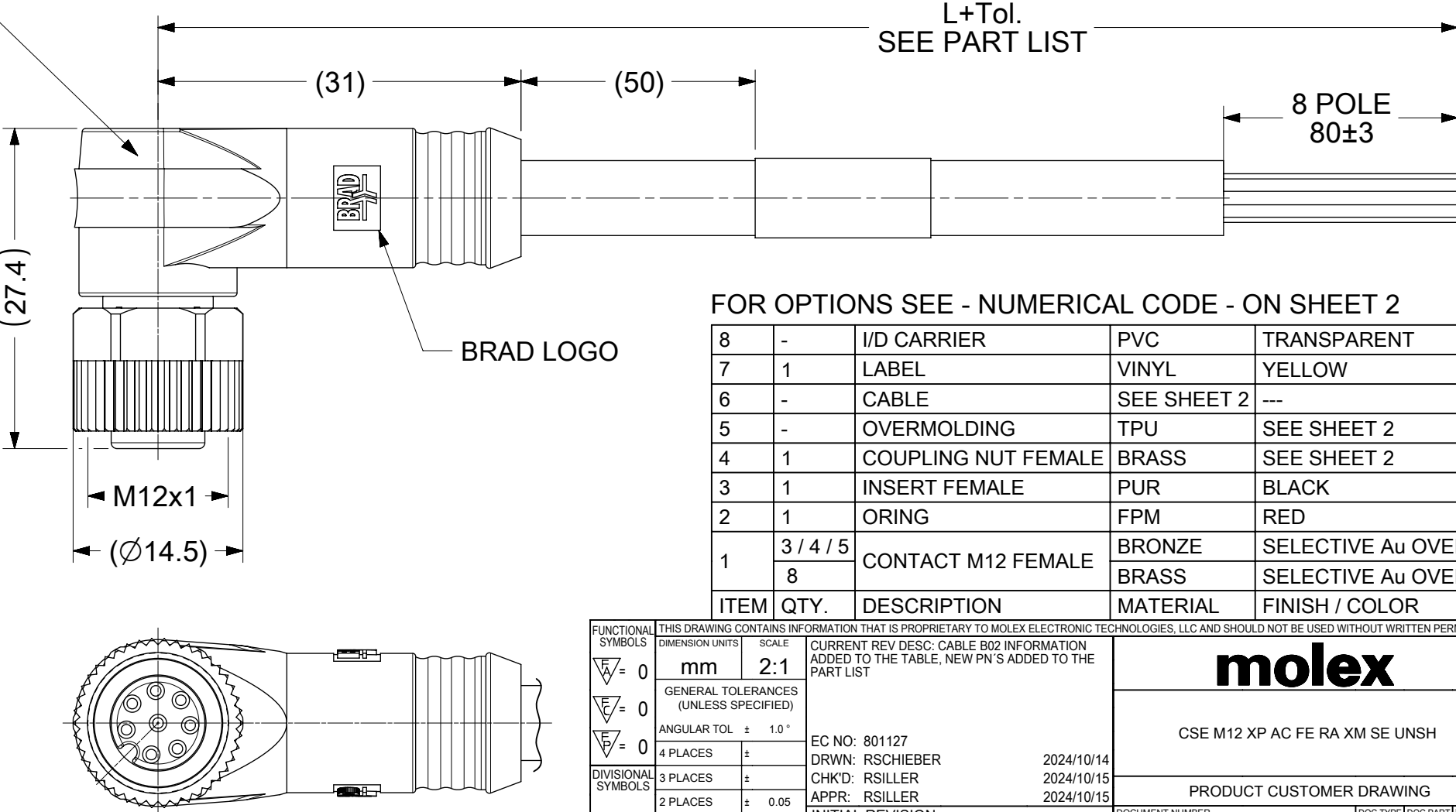


FEMALE PLUG M12 90° ANGLED

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: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100
ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND
LOCKED POSITION



Thicker Overmold for Cables
with bigger Outer Diameter (Ø>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

FUNCTIONAL SYMBOLS

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

EC NO: 801127
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

INITIAL REVISION:
DRWN: SSM
APPR: RSILLER

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION UNITS

mm

SCALE

2:1

GENERAL TOLERANCES
(UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

CURRENT REV DESC: CABLE B02 INFORMATION
ADDED TO THE TABLE, NEW PN'S ADDED TO THE
PART LIST

2024/10/14
2024/10/15
2024/10/15

2021/12/13
2022/02/28

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

120065

SEE SHEET 3

GENERAL MARKET

1 OF 3

molex

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200656607

DOC TYPE

PSD

DOC PART

000

REVISION

B1

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

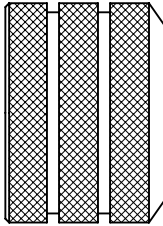
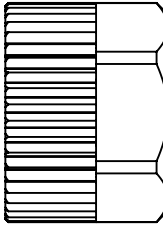
Units:
M=Meter

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-120209-001
B42	5									SD-120209-001
B41	8	0.25mm²	TPU ORANGE							SD-120209-006
B36	4	0.34mm²								SD-120209-001
B33	4 / 5	0.34mm²	TPU GRAY							SD-120209-001
B55	4 / 5	0.34mm²	TPU YELLOW							1552200001 PS
B02	4	0.75mm²	PUR YELLOW	STYLE 20549	YES	-	-	-	-	86-1842

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

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: CABLE B02 INFORMATION ADDED TO THE TABLE, NEW PN'S ADDED TO THE PART LIST

EC NO: 801127

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DRWN: SSM

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THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2024/10/14

2024/10/15

2024/10/15

2021/12/13

2022/02/28

A3-SIZE

120065

SEE SHEET 3

GENERAL MARKET

2 OF 3

moLEX

CSE M12 XP AC FE RA XM SE UNSH

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200656607

DOC TYPE

PSD

DOC PART

000

REVISION

B1

DOCUMENT STATUS

P1

RELEASE DATE

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FORMAT: m8888-12-000-A3

REVISION: 1

DATE: 2020/01/11

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