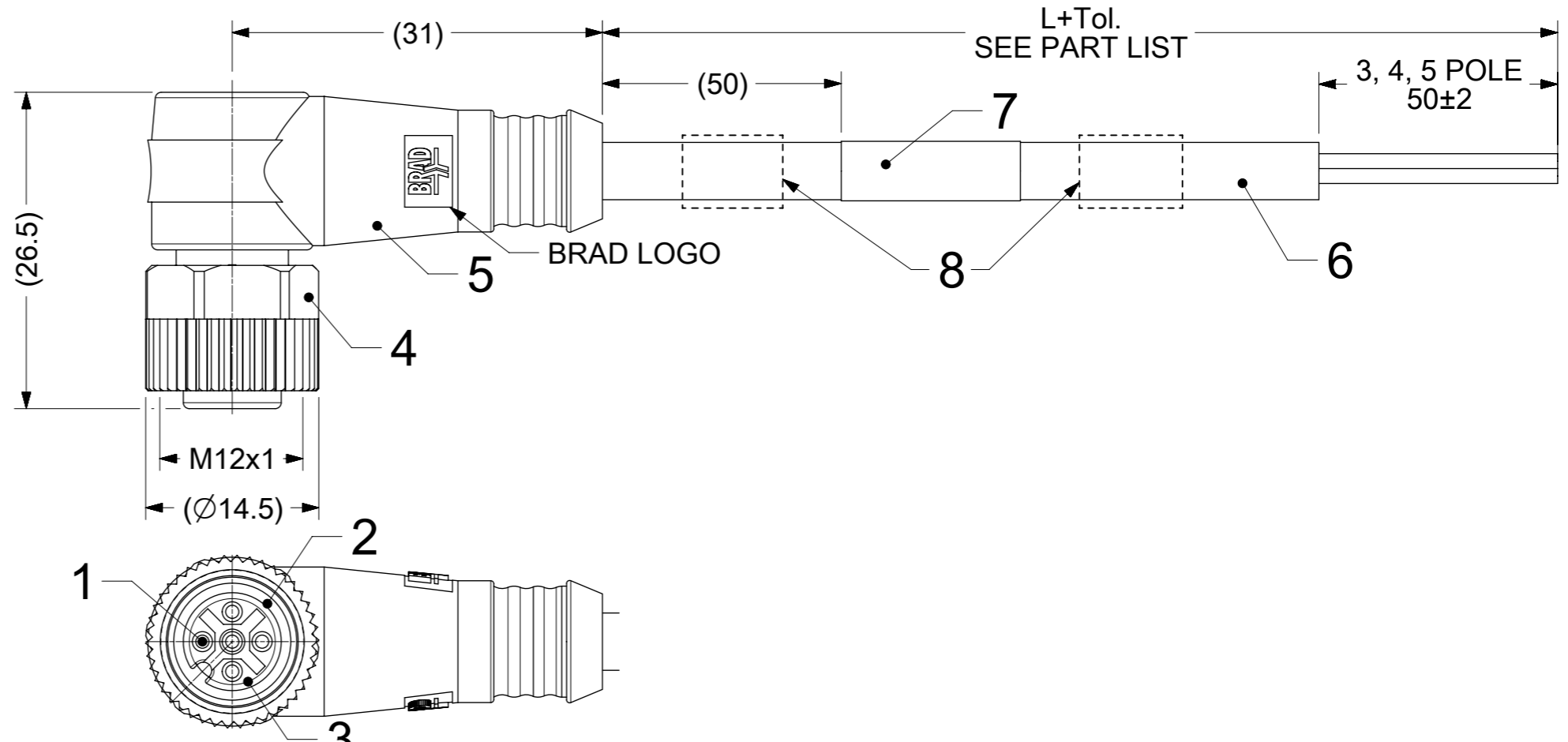


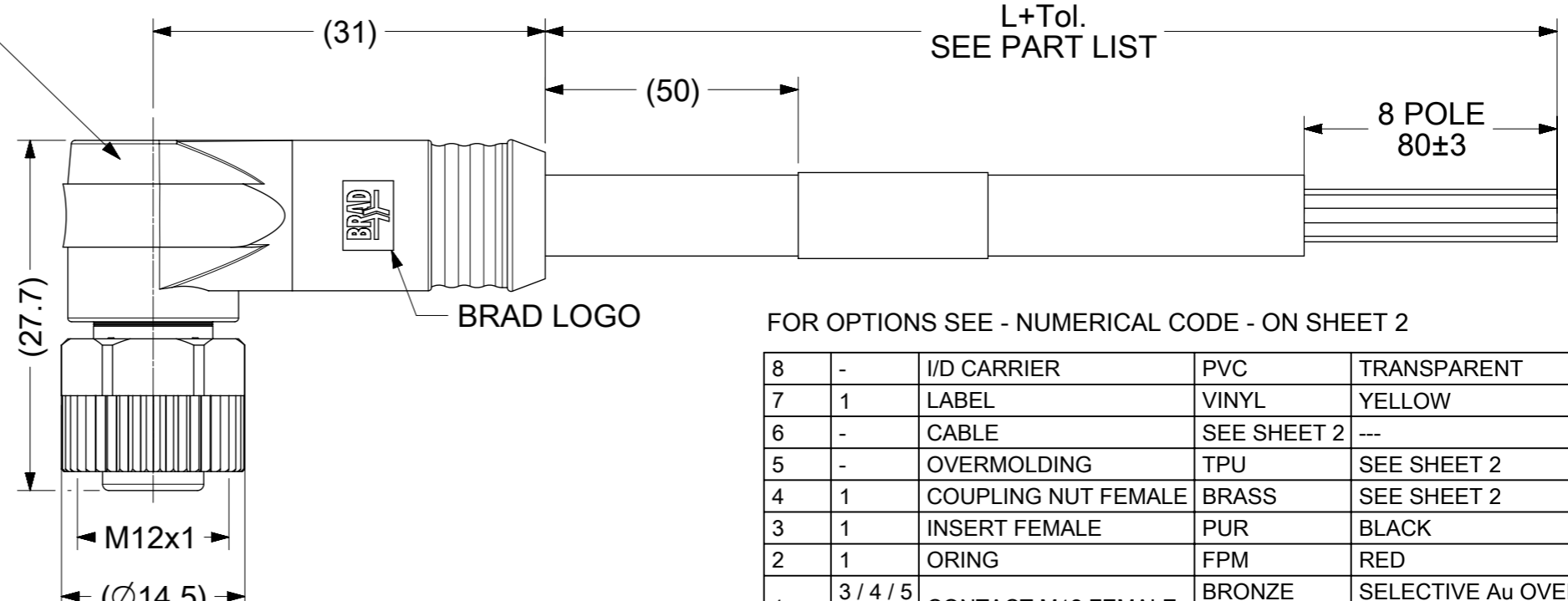
FEMALE PLUG M12 90° ANGLED

NOTES:

RATED VOLTAGE: 3, 4 contacts 250V
 5 contacts 60V
 8 contacts 30V
 RATED CURRENT: 3, 4, 5 contacts 4A
 8 contacts 2A
 PROTECTION CLASS: IP 67
 TEMPERATURE: -25°C / +80°C



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

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR
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 / 8	CONTACT M12 FEMALE	BRONZE	SELECTIVE Au OVER Ni
			BRASS	SELECTIVE Au OVER Ni

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

SYMBOLS: $\nabla = 0$, $\nabla = 0$, $\nabla = 0$, $\nabla = 0$, $\nabla = 0$, $\nabla = 0$, $\nabla = 0$, $\nabla = 0$, $\nabla = 0$, $\nabla = 0$

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

GENERAL TOLERANCES (UNLESS SPECIFIED):
 DIMENSION UNITS: mm
 SCALE: 2:1
 ANGULAR TOL: $\pm 1.0^\circ$
 4 PLACES: \pm
 3 PLACES: \pm
 2 PLACES: ± 0.05
 1 PLACE: ± 0.3
 0 PLACES: ± 0.5
 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION:

DRAWING: A3-SIZE
 SERIES: 120065
 MATERIAL NUMBER: SEE SHEET 3
 CUSTOMER: GENERAL MARKET
 SHEET NUMBER: 1 OF 3

CURRENT REV DESC:
 EC NO: 624702
 DRWN: SSM 2019/09/19
 CHK'D: RSILLER 2019/09/26
 APPR: RSILLER 2019/09/26
 INITIAL REVISION:
 DRWN: FSCHAFHAUSER 2014/02/10
 APPR: CBURGER 2014/05/07

molex
 CSE M12 XP AC FE RA XM SE UNSH SE UNSH
 PRODUCT CUSTOMER DRAWING
 DOCUMENT NUMBER: SD-120065-076
 DOC TYPE: PSD
 DOC PART: 001
 REVISION: A3

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

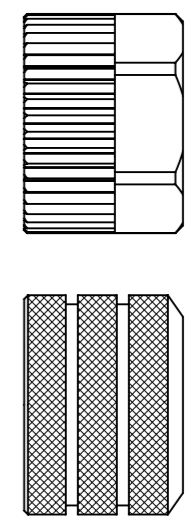
Units:
M=Meter

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	0.34mm ²	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	0.25mm ²	SD-120209-006							
B36	4	0.34mm ²	TPU ORANGE							SD-120209-001
B33	4 / 5	0.34mm ²	TPU GRAY							SD-120209-001
B55	4 / 5	0.34mm ²	TPU YELLOW	1552200001 PS						

SYMBOLS ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	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	CURRENT REV DESC: EC NO: 624702 DRWN: SSM 2019/09/19 CHK'D: RSILLER 2019/09/26 APPR: RSILLER 2019/09/26	molex			
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.05 1 PLACE ± 0.3 0 PLACES ± 0.5	INITIAL REVISION: DRWN: FSCHAFHAUSER 2014/02/10 APPR: CBURGER 2014/05/07	PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-120065-076 DOC TYPE: PSD DOC PART: 001 REVISION: A3			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A3-SIZE SERIES: 120065 MATERIAL NUMBER: SEE SHEET 3 CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 3			

PART LIST

Table with 4 columns: Lp., MOLEX PN, ENGINEERING No, L+Tol. [mm]. Rows 1-40.

Table with 4 columns: Lp., MOLEX PN, ENGINEERING No, L+Tol. [mm]. Rows 41-63.

NOTE:

*(STAR) - INDICATES THESE PNS ONLY HAVE ID CARRIER IN BOM.

Technical drawing metadata table containing symbols, tolerances, scale, revision history, and document information.