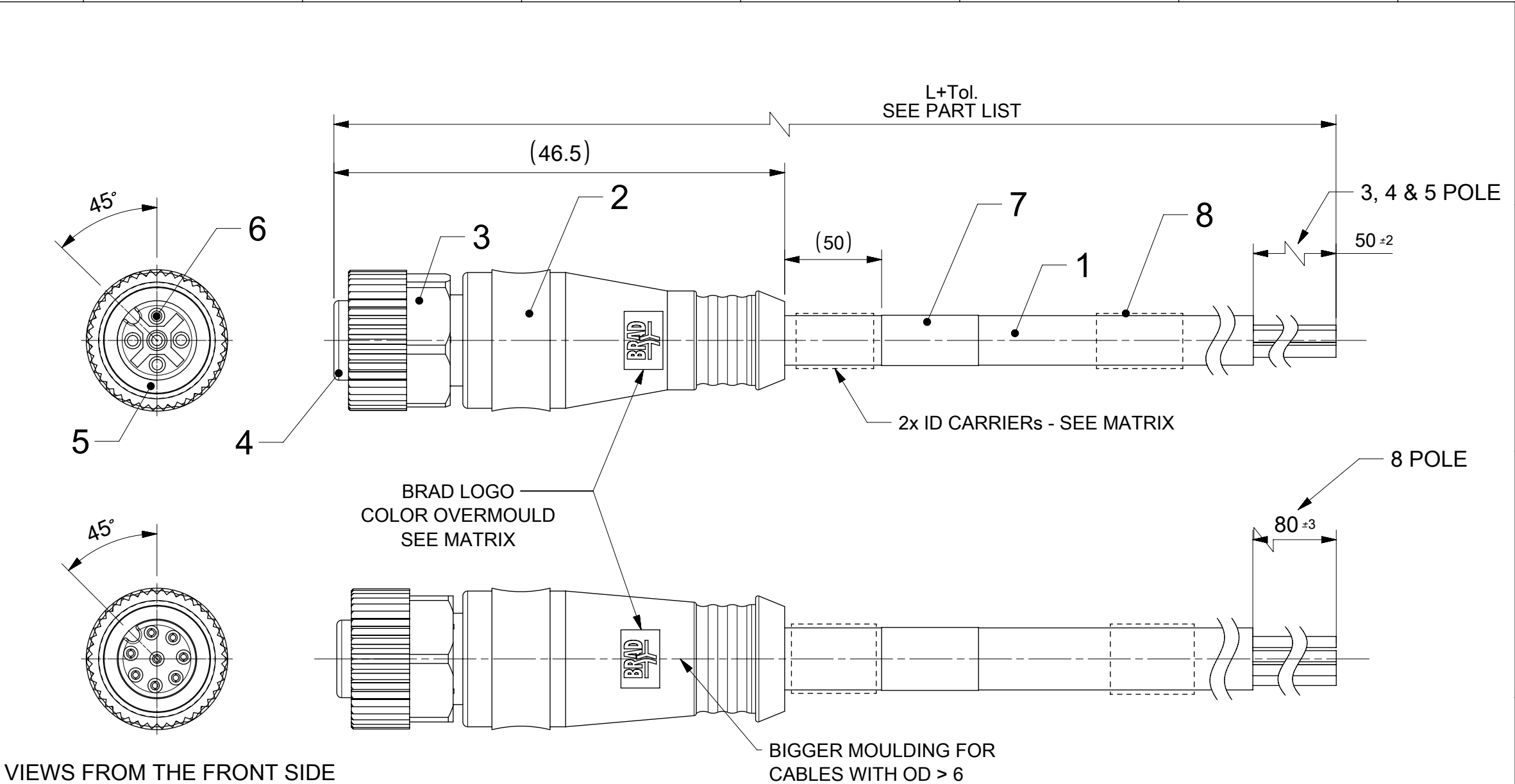
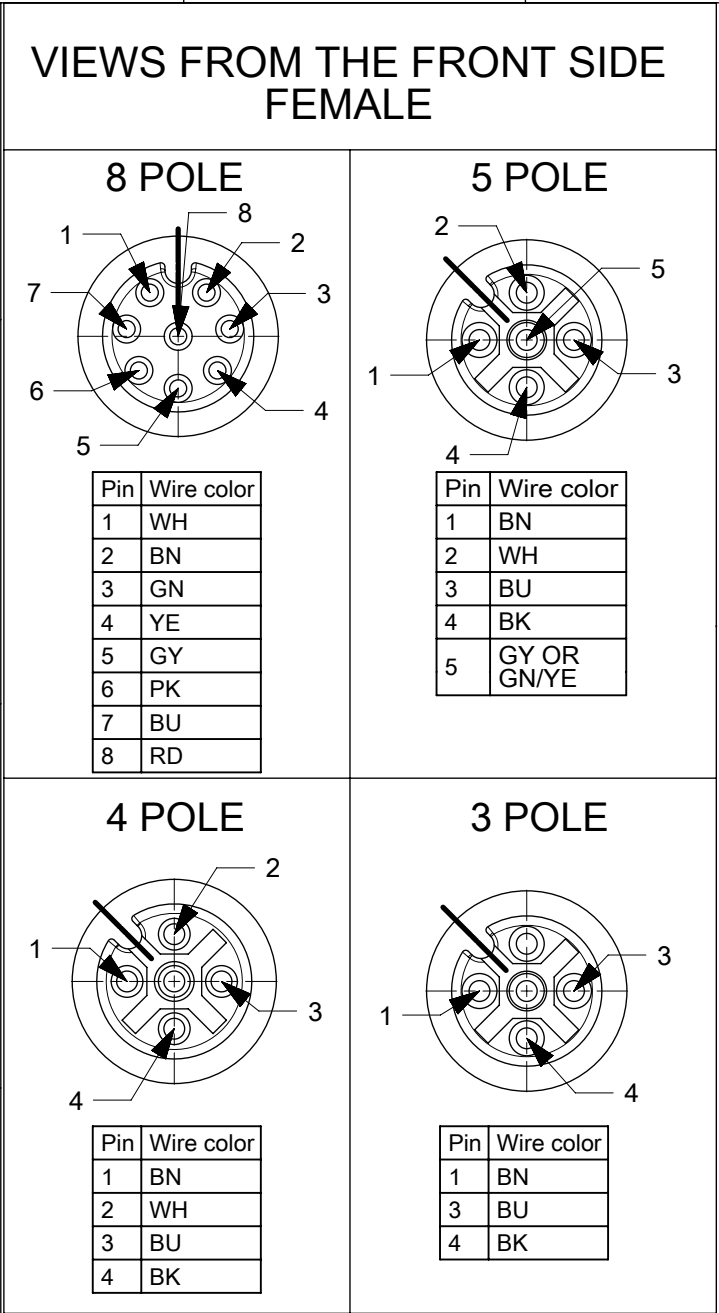




NOTES:

TEMPERATURE RANGE : SEE CABLE LIST

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

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

INSULATION RESISTANCE: 10⁸ Ω MIN.

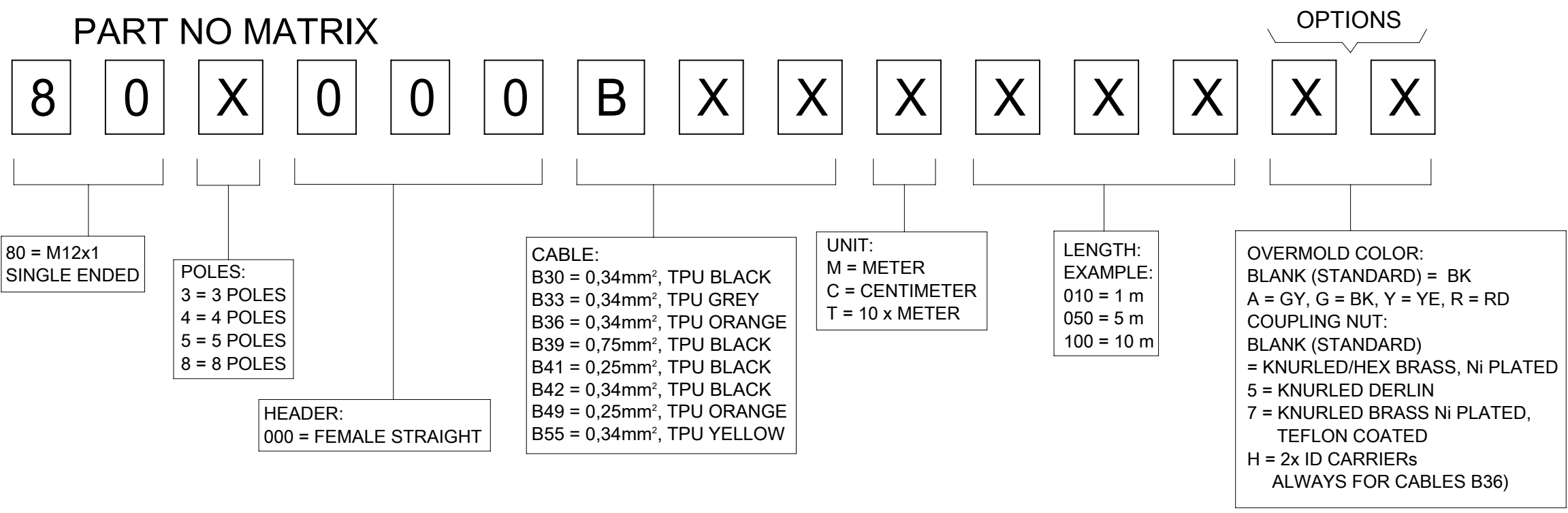
MATING CYCLES: MIN. 100

ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION

BILL OF MATERIAL

8	0/2	I/D CARRIER	-	-
7	1	LABEL	VINYL	YELLOW
6	3/4/5/8	CONTACTS	BRASS	GOLD OVER Ni-PLATED
5	1	GASKET	FPM	RED
4	1	FEMALE INSERT	PUR	BLACK
3	1	COUPLING NUT	BRASS	Ni-PLATED
2	-	OVERMOULD	TPU	BLACK
1	-	CABLE	SEE CABLE LIST	SEE CABLE LIST
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR

FUNCTIONAL SYMBOLS FA=0 FE=0 FV=0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: NEW P/N ADDED			
	DIMENSION UNITS mm	SCALE 2:1	molex CSE M12 XP AC FE STR WSOR XM SE UNSH BK PRODUCT CUSTOMER DRAWING		
	GENERAL TOLERANCES (UNLESS SPECIFIED)				
	ANGULAR TOL ± 1.0 °				
	4 PLACES ±				
3 PLACES ±		EC NO: 801104		2024/10/14	
2 PLACES ± 0.05		DRWN: RSCHIEBER		2024/10/14	
1 PLACE ± 0.3		CHK'D: RSILLER		2024/10/14	
0 PLACES ± 0.5		APPR: RSILLER		2024/10/14	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 120065	INITIAL REVISION: DRWN: SSM 2021/12/16 APPR: RSILLER 2022/02/28
DOCUMENT NUMBER 1200652251			CUSTOMER GENERAL MARKET	DOC TYPE PSD	DOC PART 000
SHEET NUMBER 1 OF 3			REVISION B2		



CABLE LIST

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL 21215	CSA	ISO6722	ISO14572	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	OTHER
B30	3 / 4 / 5	0.34mm ²	TPU Black	YES	YES	YES	YES	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	WELD SLAG RESISTANCE
B41	8	0.25mm ²	TPU Black								
B42	5	0.34mm ²	TPU Black								
B33	4 / 5	0.34mm ²	TPU Gray								
B55	4 / 5	0.34mm ²	TPU Yellow								
B36	4 / 5	0.34mm ²	TPU Orange								
B39	5	0.34mm ²	TPU Yellow								

CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0 m - 1 m	+40 mm
>1 m - 5 m	+60 mm
>5 m - 10 m	+80 mm
>10 m - 20 m	+140 mm
>20 m - 30 m	+160 mm
>30 m	+1% length

FUNCTIONAL SYMBOLS

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

mm

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

DIVISIONAL SYMBOLS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

CURRENT REV DESC: NEW P/N ADDED

EC NO: 801104
DRWN: RSCHIEBER
CHK'D: RSILLER
APPR: RSILLER

INITIAL REVISION:
DRWN: SSM
APPR: RSILLER

2024/10/14
2024/10/14
2024/10/14
2021/12/16
2022/02/28

moLEX

CSE M12 XP AC FE STR WSOR XM SE UNSH BK

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1200652251

DOC TYPE

PSD

DOC PART

000

REVISION

B2

SEE PART LIST

GENERAL MARKET

2 OF 3

DOCUMENT STATUS

P1

RELEASE DATE

2024/10/14

10:52:34

FORMAT: master-b-prod-A3
REVISION: 11
DATE: 2021/05/01

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