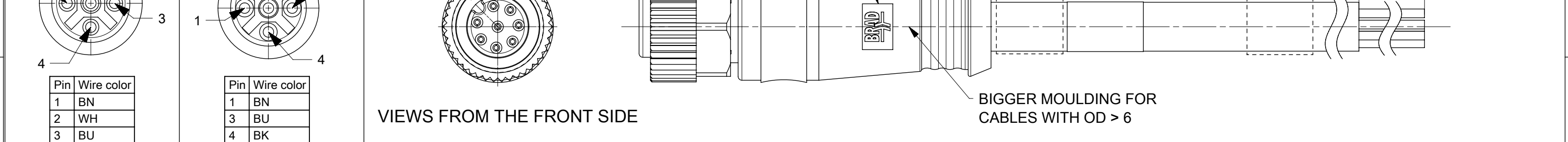
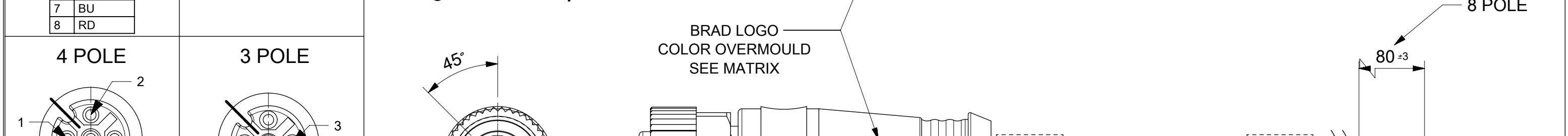
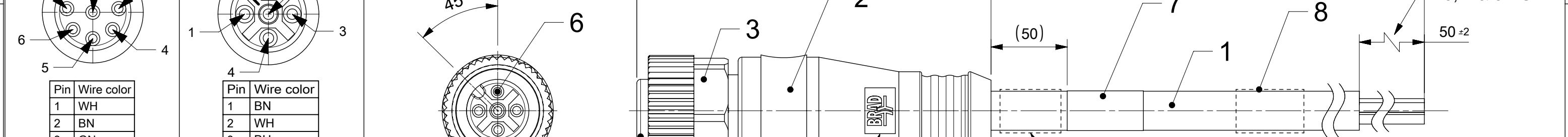


10	9	8	7	6	5	4	3	2	1
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4	BK	
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NOTES:	BILL OF MATERIAL				
	8	0/2	I/D CARRIER	-	-
	7	1	LABEL	VINYL	YELLOW
	6	3/4/5/8	CONTACTS	BRASS	GOLD OVER Ni-PLATED
	5	1	GASKET	FPM	RED
	4	1	FEMALE INSERT	PUR	BLACK

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: 10 ⁸ Ω MIN.				
MATING CYCLES: MIN 100				

8	0/2	I/D CARRIER	-	-
---	-----	-------------	---	---

NOTES: TEMPERATURE RANGE : SEE CABLE LIST RATED VOLTAGE: 3, 4 contacts : 250V 5 contacts : 60V 2, 4 contacts : 60V	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

8 contacts : 30V

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

8 contacts : 2A

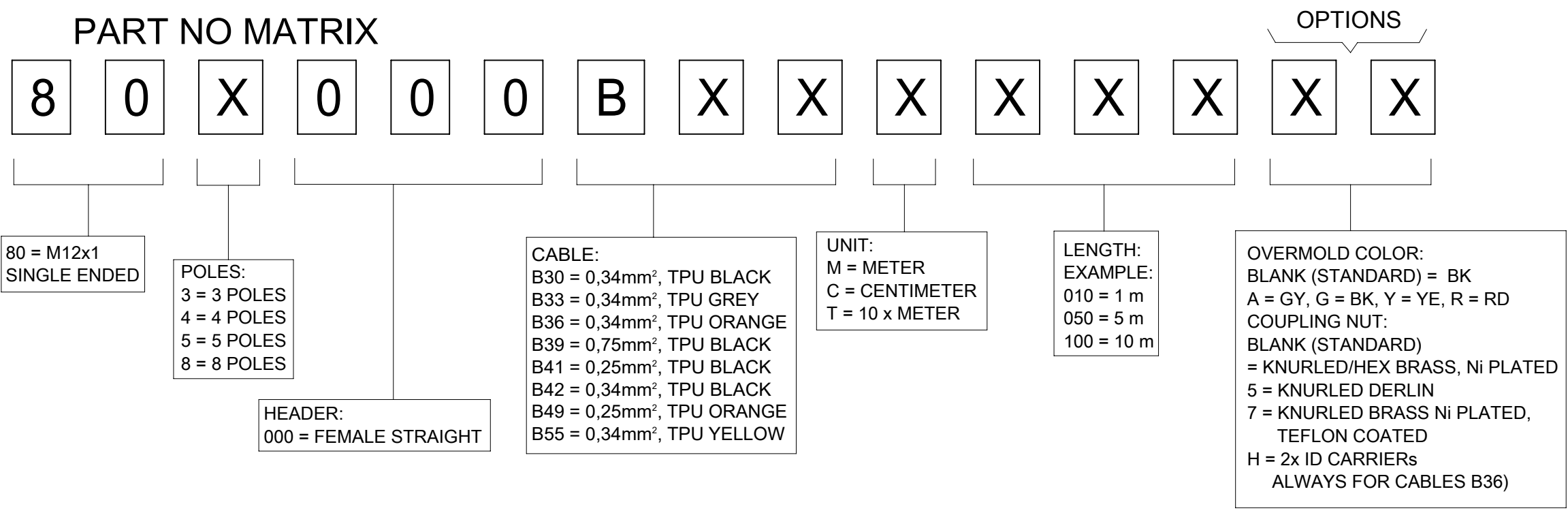
INSULATION RESISTANCE: 10⁸ Ω MIN.

MATING CYCLES: MIN. 100

ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION

FUNCTIONAL SYMBOLS = 0 = 0 = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS	SCALE	CURRENT REV DESC: CABLE LIST INFORMATION ADDITION		CSE M12 XP AC FE STR WSOR XM SE UNSH BK				
	mm	2:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)								
	ANGULAR TOL ± 1.0 °		EC NO: 788824 DRWN: RSCHIEBER 2024/06/07 CHK'D: RSILLER 2024/06/11 APPR: RSILLER 2024/06/11 INITIAL REVISION: DRWN: SSM 2021/12/16 APPR: RSILLER 2022/02/28		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	4 PLACES	±							
	3 PLACES	±							
	2 PLACES	± 0.05							
	1 PLACE	± 0.3							
	0 PLACES	± 0.5	1200652251		PSD	000	B1		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 	DRAWING A3-SIZE	SERIES 120065	MATERIAL NUMBER SEE PART LIST		CUSTOMER GENERAL MARKET	

DOCUMENT STATUS	P1	RELEASE DATE	2024/06/11	05:15:45
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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

EC NO: 788824

DRWN: RSCHIEBER

CHK'D: RSILLER

APPR: RSILLER

2024/06/07

2024/06/11

2024/06/11

INITIAL REVISION:

DRWN: SSM

APPR: RSILLER

2021/12/16

2022/02/28

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2024/06/11

2024/06/11

2021/12/16

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EDBCA

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ENGINEERING NO - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

OPTIONS

8

0

X

0

0

0

B

X

X

M

X

X

X

X

88 = M12x1
SINGLE ENDED

POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES
8 = 8 POLES

HEADER:
000 = PLUG FEMALE STRARIGHT

CABLE TYPE:
SEE TABLE

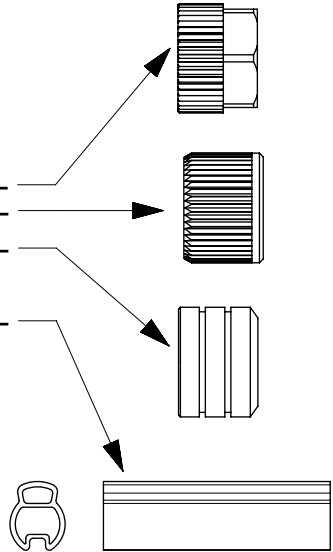
UNIT:
M = METER

LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow / R=Red

Coupling Nut: Blank (Standard)=Knurled/Hex Brass, Ni Plated 5=Knurled Derlin 7=Knurled Brass Ni Plated, Teflon Coated

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: TEMP. / BENDING RADIUS	DRAG CHAIN	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU Black	UL 21215/758	C22.2 I/II A/B 80°/600V	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	-5°C to +60°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray							SD-120209-002
B36	4 / 5	0.34mm²	TPU Orange							SD-120209-003
B39	5	0.75mm²	TPU Gray							n/a
B41	8	0.25mm²	TPU Black							SD-120209-006
B42	5	0.34mm²	TPU Black							SD-120209-007
B49	8	0.25mm²	TPU Orange							SD-120209-008
B55	3 / 4 / 5	0.34mm²	TPU Yellow							n/a

TABLE OF LENGTH TOLERANCES		
OVER	UP TO AND INCLUDING	TOLERANCE
0	1000	+40 0
1000	5000	+60 0
5000	10000	+80 0
10000	20000	+140 0
20000	30000	+160 0
30000	>	+1% OF LENGTH

DOCUMENT STATUS	P1	RELEASE DATE	2021/10/18	12:08:57
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FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	DIMENSION UNITS		SCALE		CURRENT REV DESC: STANDARDIZATION				molex								
	mm		1:1														
	FA = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC FE STR WSOR XM SE UNSH											
FC = 0	ANGULAR TOL ± °																
FE = 0																	
DIVISIONAL SYMBOLS	4 PLACES		±		EC NO: 681756				PRODUCT CUSTOMER DRAWING								
	3 PLACES		±		DRWN: MKOWALCZYK01 2021/10/18												
	2 PLACES		±		CHK'D: ALEKSP3 2021/10/18												
	1 PLACE		±		APPR: KMARCINIAK01 2021/10/18												
	0 PLACES		±		INITIAL REVISION:												
					DRWN: AKONDRACIUK 2016/11/26				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
				APPR: MIWASIECZKO 2016/12/06				1200652251		PSD		00P		B2			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								A3-SIZE		120065		SEE PART LIST				2 OF 2	