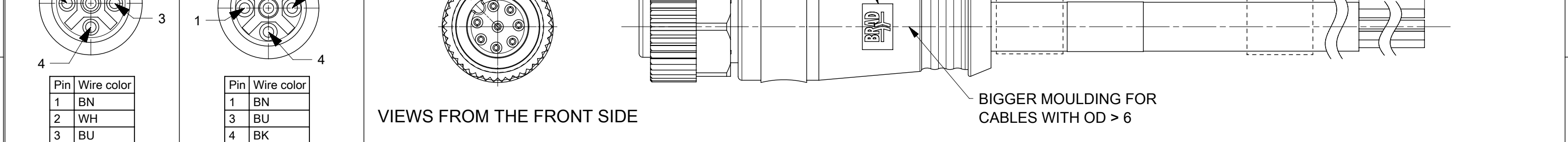
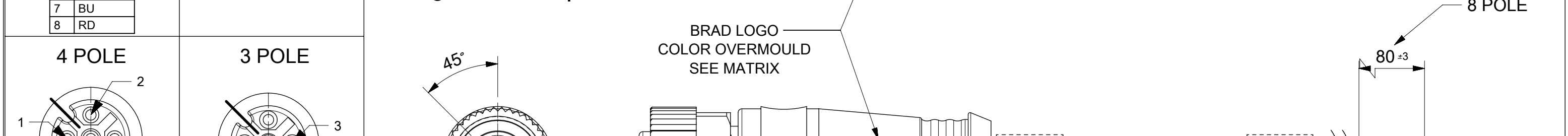
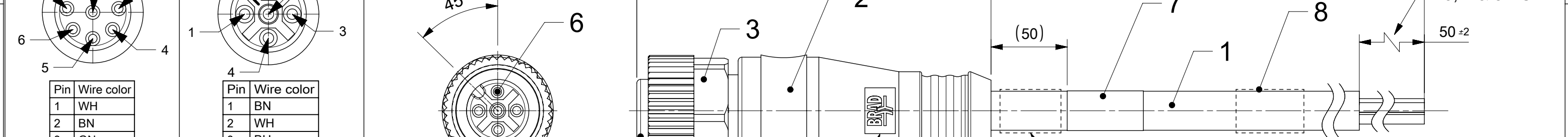


10	9	8	7	6	5	4	3	2	1
----	---	---	---	---	---	---	---	---	---



4	BK	
---	----	--

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			

ENVIRONMENTAL:PROTECTION: IP67 IN MATED AND LOCKED POSITION		2 PLACES ± 0.05		APPR: ROILEEN	2024/03/11	DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	
		1 PLACE ± 0.3		INITIAL REVISION:		2021/12/16		1200652351	PSD	000	R1
				DRWN: SSM							

					0 PLACES ± 0.5		APPR: RSILLER		2022/02/28		1200052251		PSD		000		BT	
DOCUMENT STATUS					P1	RELEASE DATE	2024/06/11	05:15:45										
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION 		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
									A3-SIZE	120065	SEE PART LIST		GENERAL MARKET		1 OF 3			

FORMAT: master-bb-prod-A3 REVISION: 1.1 DATE: 2021-05-01									
9	8	7	6	5	4	3	2	1	

8 0 X 0 0 0 B X X X X X X X X

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

CABLE:
 B30 = 0,34mm², TPU BLACK
 B33 = 0,34mm², TPU GREY
 B36 = 0,34mm², TPU ORANGE
 B39 = 0,75mm², TPU BLACK
 B41 = 0,25mm², TPU BLACK
 B42 = 0,34mm², TPU BLACK
 B49 = 0,25mm², TPU ORANGE
 B55 = 0,34mm², TPU YELLOW

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

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								

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

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

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

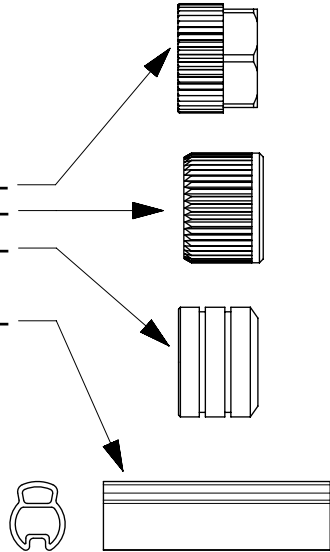
UNIT:
M = METER

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)



OPTIONS

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-120209-001
B36	4 / 5	0.34mm²	TPU Orange							SD-120209-001
B39	5	0.75mm²	TPU Gray							n/a
B41	8	0.25mm²	TPU Black							SD-120209-006
B42	5	0.34mm²	TPU Black							SD-120209-001
B49	8	0.25mm²	TPU Orange							SD-120209-006
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

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