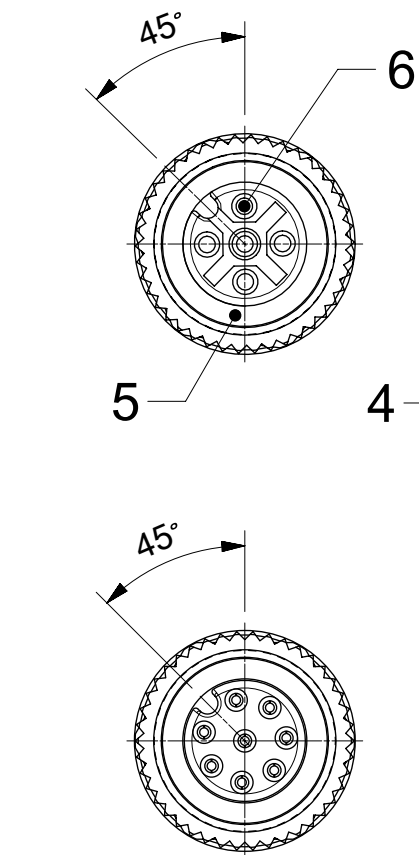
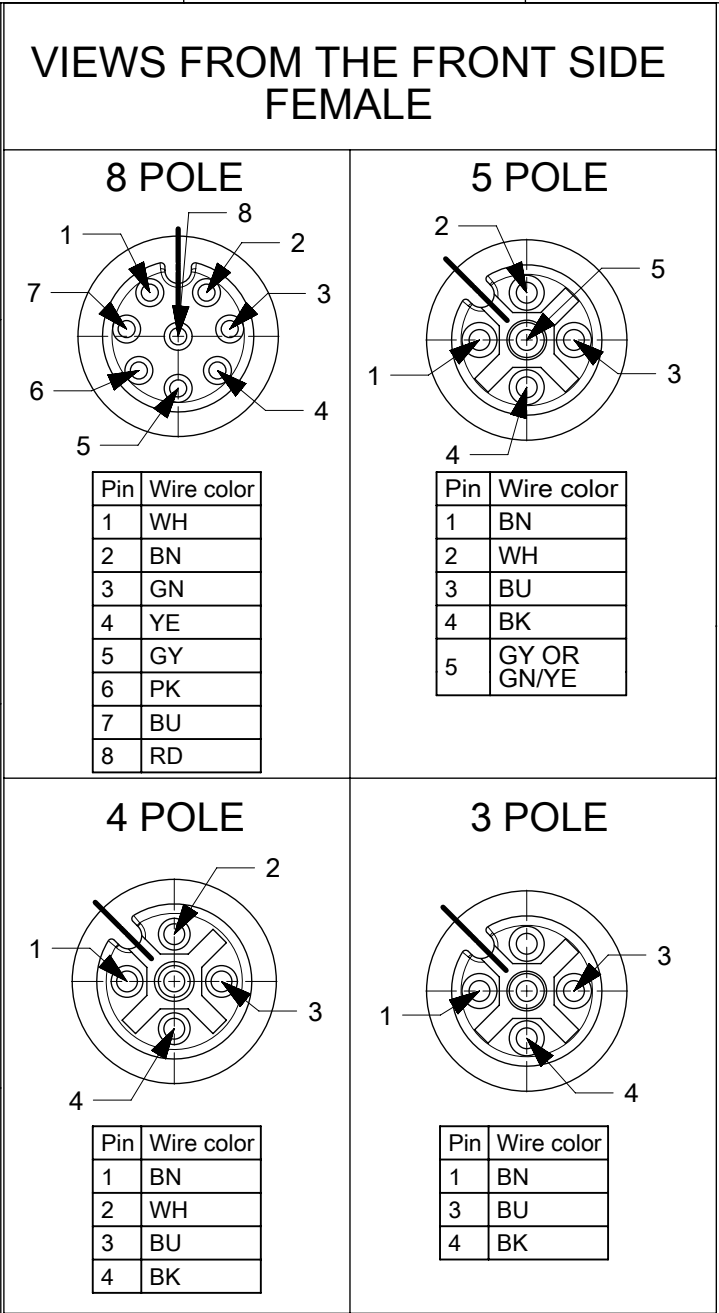
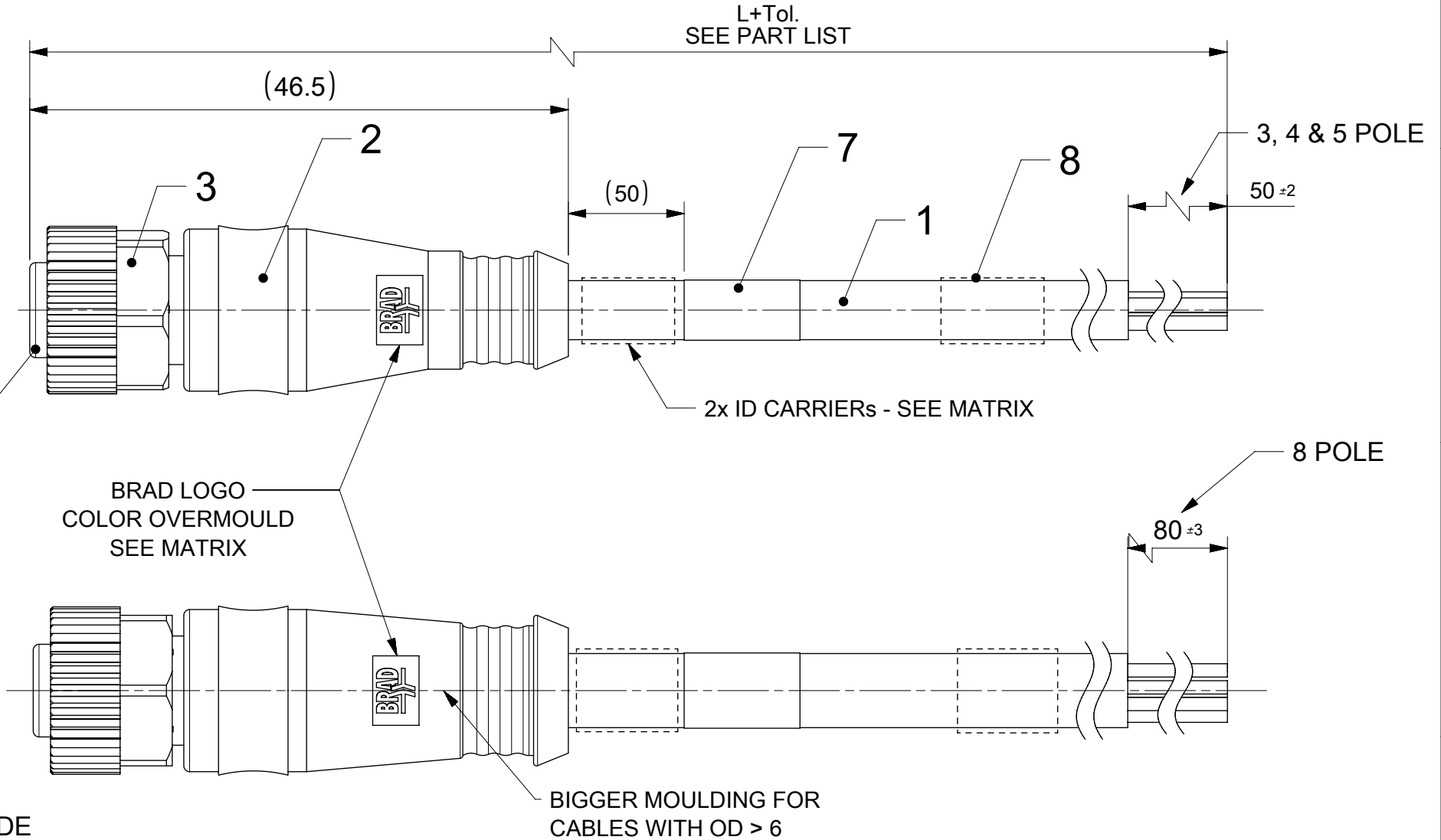




VIEWES FROM THE FRONT SIDE



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	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		molex CSE M12 XP AC FE STR WSOR XM SE UNSH BK								
	DIMENSION UNITS mm	SCALE 2:1	GENERAL TOLERANCES (UNLESS SPECIFIED)									
	DIVISIONAL SYMBOLS	ANGULAR TOL ± 1.0 °	4 PLACES ±	3 PLACES ±	2 PLACES ± 0.05	1 PLACE ± 0.3	0 PLACES ± 0.5	EC NO: 801104 DRWN: RSCHIEBER 2024/10/14 CHK'D: RSILLER 2024/10/14 APPR: RSILLER 2024/10/14	INITIAL REVISION: DRWN: SSM 2021/12/16 APPR: RSILLER 2022/02/28	PRODUCT CUSTOMER DRAWING		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING A3-SIZE	SERIES 120065	MATERIAL NUMBER SEE PART LIST	CUSTOMER GENERAL MARKET	DOCUMENT NUMBER 1200652251	DOC TYPE PSD	DOC PART 000	REVISION B2	

F

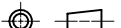
EDBCA

PROTECTION CLASS: IP 67



FOR OPTION SEE - NUMERICAL CODE - ON SHEET 2

7	1	LABEL YE	VINYL	-
6	3/4/5/8	CONTACT FE	BRASS	GOLD OVER Ni-PLATED
5	1	GASKET RD	FPM	-
4	1	INSERT M12 FE XP BK	PUR	-
3	1	COUPLING NUT M12 FE	SEE SHEET 2	SEE SHEET 2
2	-	OVERMOULDING	SEE SHEET 2	SEE SHEET 2
1	-	CABLE	SEE SHEET 2	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

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																			
		GENERAL TOLERANCES (UNLESS SPECIFIED)																					
		ANGULAR TOL		± °								CSE M12 XP AC FE STR WSOR XM SE UNSH											
4 PLACES		±																					
3 PLACES		±		PRODUCT CUSTOMER DRAWING																			
2 PLACES		±								EC NO: 681756		DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION			
1 PLACE		±								DRWN: MKOWALCZYK012021/10/18													
0 PLACES		±		CHK'D: ALEKSP32021/10/18																			
DIVISIONAL SYMBOLS		INITIAL REVISION:				APPR: KMARCINIAK012021/10/18		1200652251						PSD		00P		B2					
		DRWN: AKONDRACIUOK2016/11/26				2021/10/18																	
		APPR: MIWASIECZKO2016/12/06																					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER				CUSTOMER				SHEET NUMBER			
								A3-SIZE		120065		SEE PART LIST								1 OF 2			

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

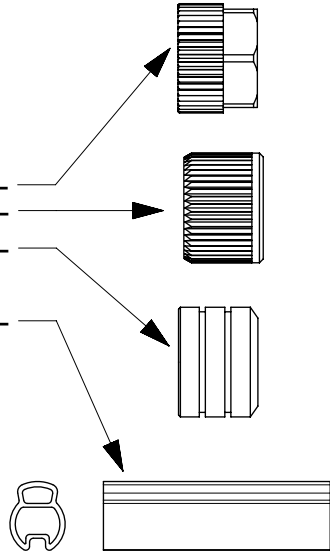
UNIT:
M = METER

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

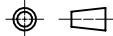
H= 2 pcs. of I/D Carrier PVC Transparent
(Cables B36 always with
2 pcs. I/D Carrier)



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			
 = 0	mm	1:1	GENERAL TOLERANCES (UNLESS SPECIFIED)			
 = 0	ANGULAR TOL ± °					
DIVISIONAL SYMBOLS	4 PLACES	±	EC NO: 681756			
	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:			
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: AKONDRACIUK 2016/11/26			
THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
		A3-SIZE	120065	SEE PART LIST		2 OF 2

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

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