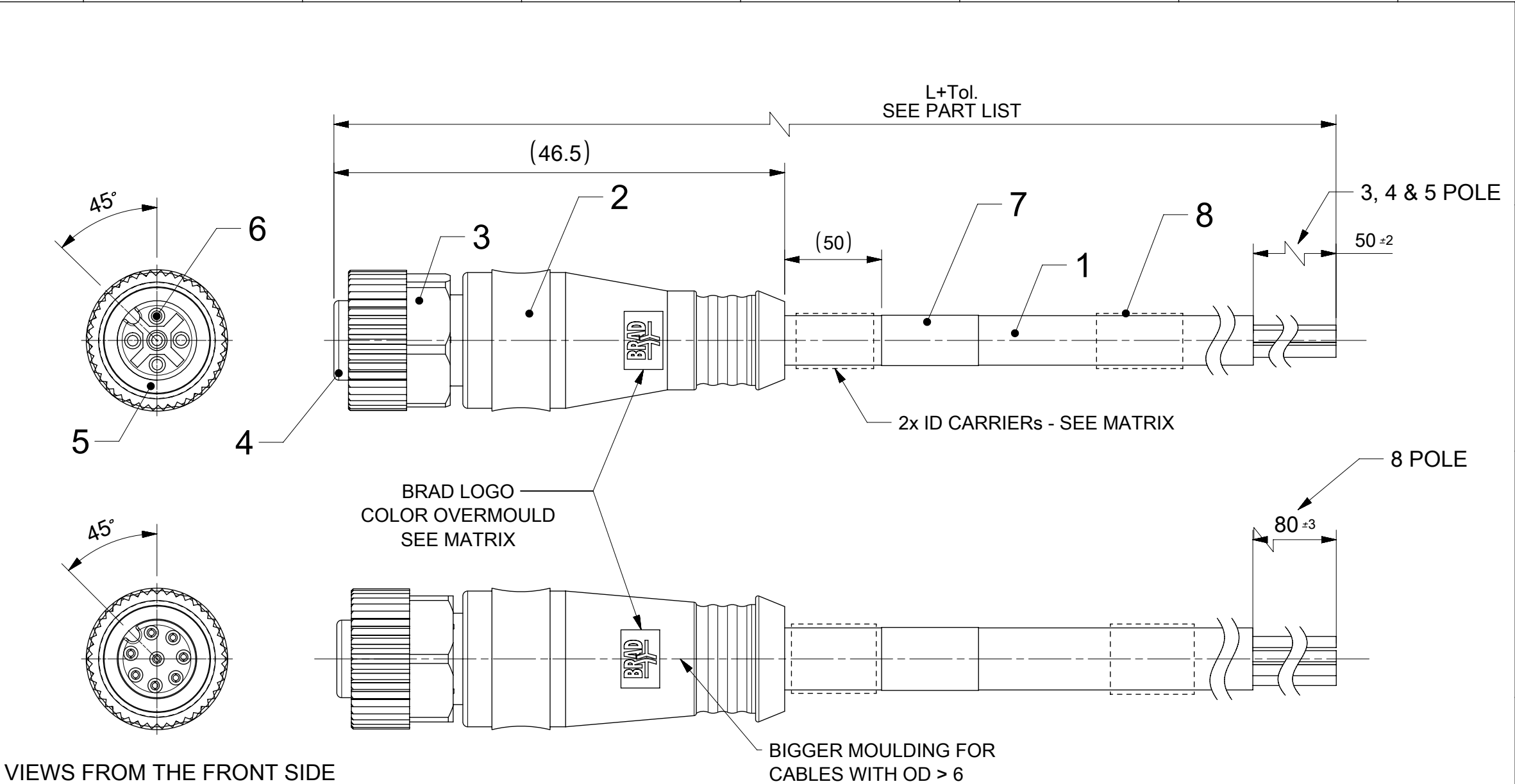
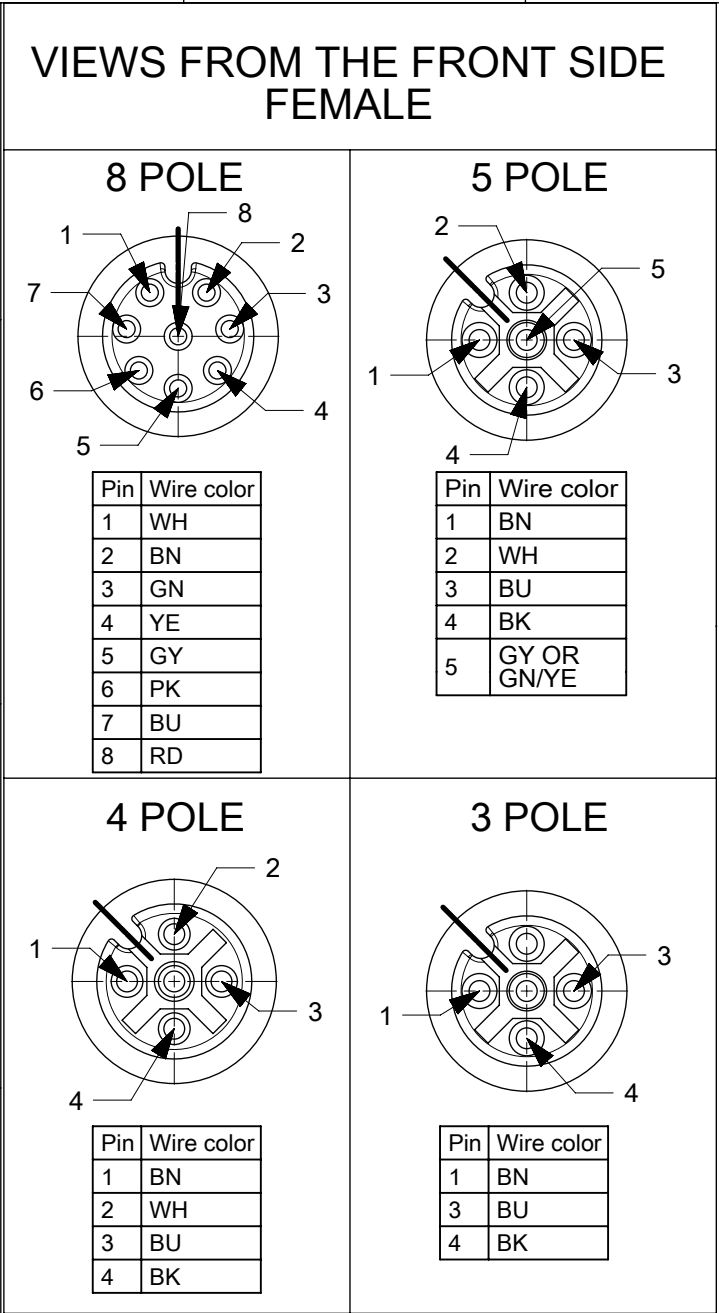




NOTES:

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		
	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		

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															
F A = 0 F E = 0 F E = 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW P/N ADDED				molex							
		mm		1:1													
		GENERAL TOLERANCES (UNLESS SPECIFIED)								CSE M12 XP AC FE STR WSOR XM SE UNSH BK							
		ANGULAR TOL ± 1.0°															
		4 PLACES		±													
		3 PLACES		±													
		2 PLACES		± 0.05						EC NO: 801104				PRODUCT CUSTOMER DRAWING			
1 PLACE		± 0.3		DRWN: RSCHIEBER 2024/10/14													
0 PLACES		± 0.5		CHK'D: RSILLER 2024/10/14													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER				DOC TYPE		DOC PART		REVISION	
								1200652251				PSD		000		B2	
								SEE PART LIST				GENERAL MARKET				SHEET NUMBER	
						A3-SIZE		120065						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

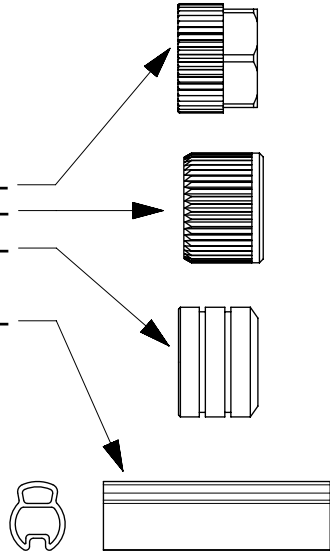
UNIT:
M = METER

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)

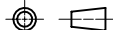


OPTIONS

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			
FA= 0 FE= 0 FE= 0 DIVISIONAL SYMBOLS	DIMENSION UNITS	SCALE	molex CSE M12 XP AC FE STR WSOR XM SE UNSH			
	mm	1:1				
	GENERAL TOLERANCES (UNLESS SPECIFIED)					
	ANGULAR TOL	± °	EC NO: 681756 DRWN: MKOWALCZYK01 2021/10/18 CHK'D: ALEKSP3 2021/10/18 APPR: KMARCINIAK01 2021/10/18			
	4 PLACES	±				
	3 PLACES	±				
	2 PLACES	±	INITIAL REVISION: DRWN: AKONDRACIUK 2016/11/26 APPR: MIWASIECZKO 2016/12/06			
	1 PLACE	±				
	0 PLACES	±				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER
			A3-SIZE	120065	SEE PART LIST	
			SHEET NUMBER		2 OF 2	

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

9

8

7

6

5

4

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2

1