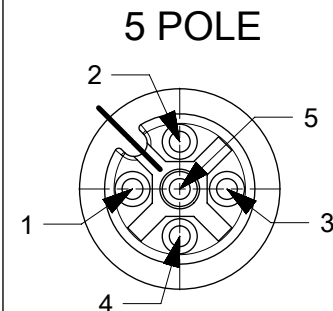
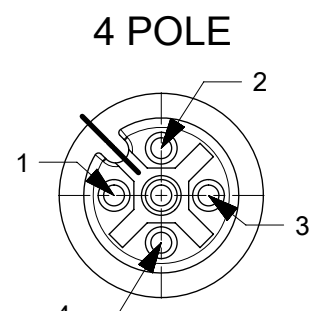


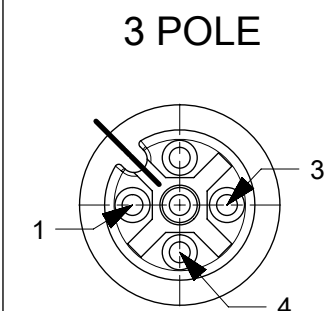
Pin	Wire color
1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD



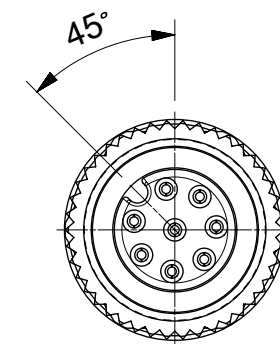
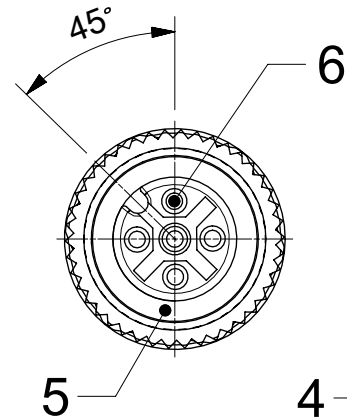
Pin	Wire color
1	BN
2	WH
3	BU
4	BK
5	GY OR GN/YE



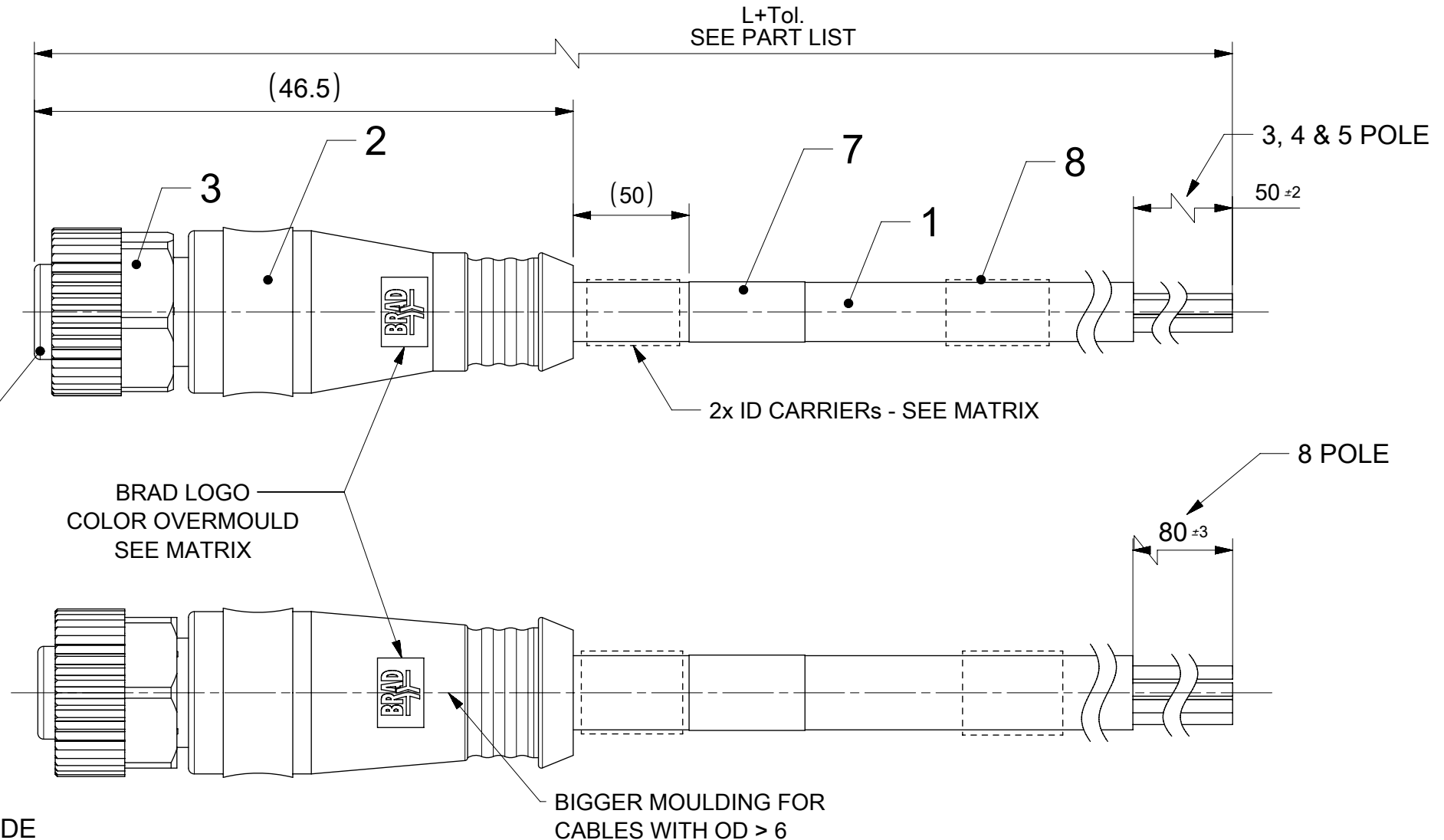
Pin	Wire color
1	BN
2	WH
3	BU
4	BK



Pin	Wire color
1	BN
3	BU
4	BK



VIEWS 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: $10^8 \Omega$ 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		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											
mm		2:1															
		GENERAL TOLERANCES (UNLESS SPECIFIED)								CSE M12 XP AC FE STR WSOR XM SE UNSH BK							
		ANGULAR TOL ± 1.0°															
DIVISIONAL SYMBOLS		4 PLACES		±						EC NO: 788824				PRODUCT CUSTOMER DRAWING			
		3 PLACES		±						DRWN: RSCHIEBER 2024/06/07							
		2 PLACES		± 0.05		CHK'D: RSILLER 2024/06/11											
						APPR: RSILLER 2024/06/11											
						INITIAL REVISION:				DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION	
		1 PLACE		± 0.3		DRWN: SSM 2021/12/16				1200652251				PSD	000	B1	
		0 PLACES		± 0.5		APPR: RSILLER 2022/02/28											
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			

The diagram shows a 16-character code: 8 0 X 0 0 0 B X X X X X X X X. Below the code, 15 callout boxes provide details:

- 8**: 80 = M12x1 SINGLE ENDED
- 0**: POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES
8 = 8 POLES
- X 0 0 0**: HEADER:
000 = FEMALE STRAIGHT
- B**: 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
- X**: UNIT:
M = METER
C = CENTIMETER
T = 10 x METER
- X X X X X X X X**: LENGTH:
EXAMPLE:
010 = 1 m
050 = 5 m
100 = 10 m
- X X X X X X X X**: OVERMOLD COLOR:
BLANK (STANDARD) =
A = GY, G = BK, Y = YE
COUPLING NUT:
BLANK (STANDARD) =
KNURLED/HEX BRASS
5 = KNURLED DERLIN
7 = KNURLED BRASS
TEFLON COATED
H = 2x ID CARRIERS
ALWAYS FOR CABLE

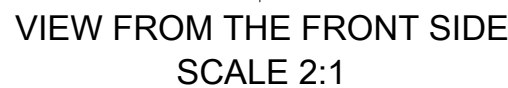
CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL 21215	CSA	ISO6722	ISO14572	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	OTHER
B30	3 / 4 / 5	0.34mm²	TPU Black	YES	YES	YES	YES	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	WELD SLAG RESISTANCE
B41	8	0.25mm²	TPU Black								
B42	5	0.34mm²	TPU Black								
B33	4 / 5	0.34mm²	TPU Gray								
B55	4 / 5	0.34mm²	TPU Yellow								
B36	4 / 5	0.34mm²	TPU Orange								
B39	5	0.34mm²	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 FA = 0 FE = 0 FE = 0 DIVISIONAL 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 INFORMATION ADDITIONED				molex CSE M12 XP AC FE STR WSOR XM SE UNSH BK									
		mm		1:1															
		GENERAL TOLERANCES (UNLESS SPECIFIED)																	
		ANGULAR TOL ± 1.0°																	
		4 PLACES		±						EC NO: 788824 DRWN: RSCHIEBER 2024/06/07 CHK'D: RSILLER 2024/06/11 APPR: RSILLER 2024/06/11				PRODUCT CUSTOMER DRAWING					
		3 PLACES		±															
		2 PLACES		± 0.05															
		1 PLACE		± 0.3															
		0 PLACES		± 0.5		INITIAL REVISION: DRWN: SSM 2021/12/16 APPR: RSILLER 2022/02/28				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION			
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	
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PROTECTION CLASS: IP 67



VIEW FROM THE FRONT SIDE
SCALE 2:1

3 CONTACTS	4 CONTACTS	5 CONTACTS	8 CONTACTS
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CONNECTIONS

PIN	WIRE
1	BROWN
3	BLUE
4	BLACK

PIN	WIRE
1	BROWN
2	WHITE
3	BLUE
4	BLACK

PIN	WIRE
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY OR GREEN/YELLOW

PIN	WIRE
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GREY
6	PINK
7	BLUE
8	RED

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															
FA= 0 FC= 0 FE= 0		DIMENSION UNITS		SCALE		CURRENT REV DESC: STANDARDIZATION				molex CSE M12 XP AC FE STR WSOR XM SE UNSH							
		mm		1:1													
		GENERAL TOLERANCES (UNLESS SPECIFIED)															
		ANGULAR TOL ± °															
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	

F

E

1

D

C

BA

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