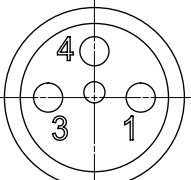


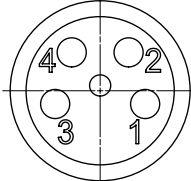
M8 FEMALE
VIEWS FROM THE FRONT SIDE

3 POLE



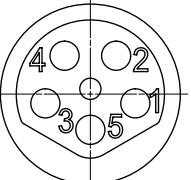
Pin	Wire color
1	BROWN
3	BLUE
4	BLACK

4 POLE



Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK

5 POLE



Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY

PART NO. MATRIX

4

0

X

0

0

1

B

X

X

M

X

X

X

X

40 = M8x1
SINGLE ENDED

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

HEADER:
001 = FEMALE 90°

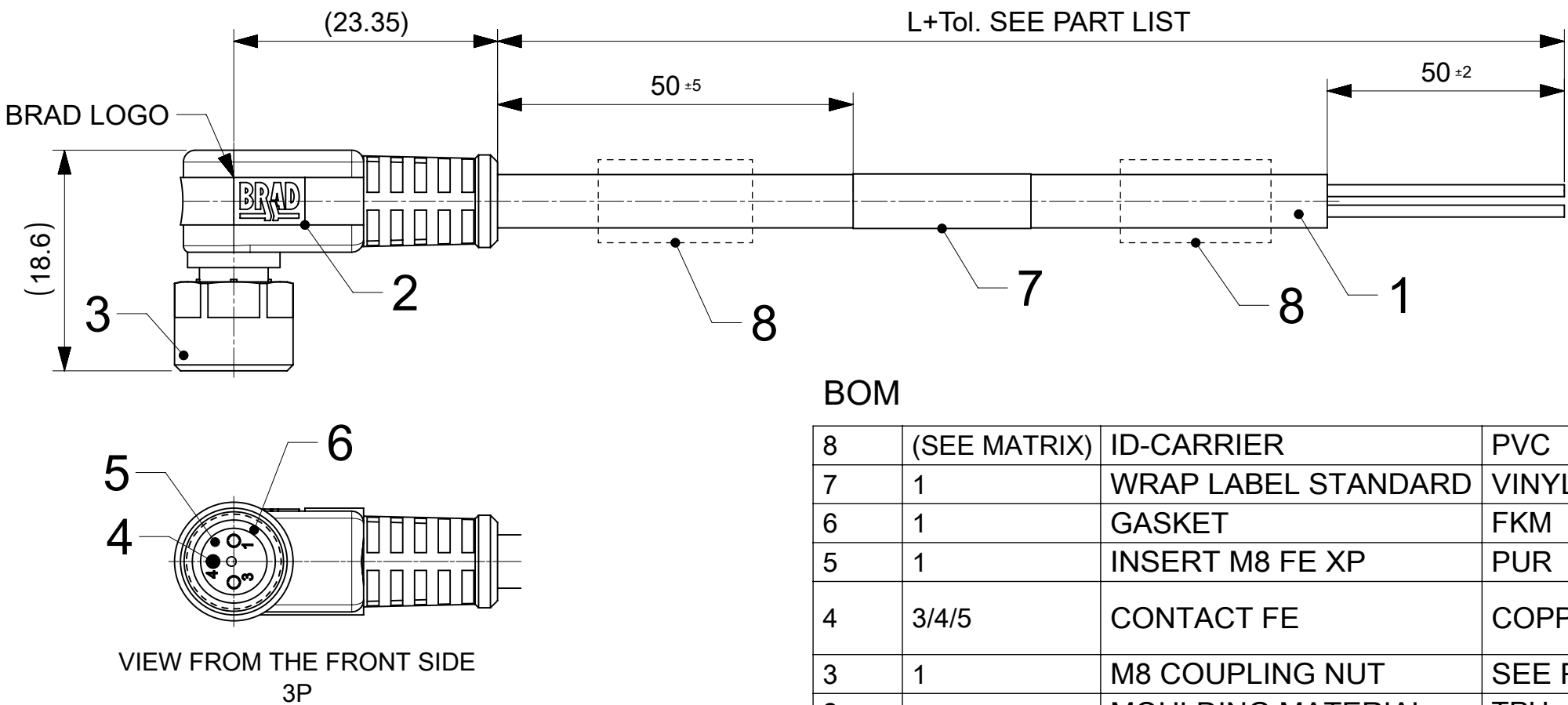
CABLE:
B41 = 0,25mm²,
TPU BK
B36 = 0,34mm²,
TPU OG

UNIT:
M = METER

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

COUPLING NUT:
BLANK = KNU
7 = TEFLON KNU
OVERMOULD:
BLANK = BK
A = GY
Y = YE
R = RD
H = 2x I/D CARIERR
AND ALWAYS WITH
THE CABLE B3

FEMALE RIGHT ANGLED PLUG(M8 PLUG)



BOM

8	(SEE MATRIX)	ID-CARRIER	PVC	TRANSPARENT
7	1	WRAP LABEL STANDARD	VINYL	YELLOW
6	1	GASKET	FKM	RED
5	1	INSERT M8 FE XP	PUR	BLACK
4	3/4/5	CONTACT FE	COPPER	SELECTED GOLD OVER NICKEL
3	1	M8 COUPLING NUT	SEE PART LIST	SEE PART LIST
2	-	MOULDING MATERIAL	TPU	SEE PART LIST
1	-	CABLE	TPU	SEE PART LIST
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR

TECHNICAL DATA :	
TEMPERATURE RANGE	-25°C TO +80°C
CONTACT CURRENT RATING	3A
VOLTAGE RATING	3 POLES 60V
	4-5 POLES 30V
PROTECTION CLASS	IP 67

FUNCTIONAL SYMBOLS
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

SCALE
2:1

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± 1.0 °

DIVISIONAL SYMBOLS

EC NO: 684766
DRWN: SSM
CHK'D: RSILLER
APPR: RSILLER

INITIAL REVISION:
DRWN: WSTRASZKIEWI
APPR: MIWASIECZKO

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
120086

MATERIAL NUMBER
SEE PART LIST

CUSTOMER
GENERAL MARKET

SHEET NUMBER
1 OF 2

CURRENT REV DESC:

EC NO: 684766
DRWN: SSM
CHK'D: RSILLER
APPR: RSILLER

INITIAL REVISION:
DRWN: WSTRASZKIEWI
APPR: MIWASIECZKO

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
120086

MATERIAL NUMBER
SEE PART LIST

CUSTOMER
GENERAL MARKET

SHEET NUMBER
1 OF 2

moLEX

CSE M8 XP AC FE RA
TPU XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
SD-120086-010

DOC TYPE
PSD

DOC PART
001

REVISION
B4

10	9	8	7	6	5	4	3	2	1		
CABLE INFORMATION											
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	OTHER INFORMATION
B41	3/4	0.25mm²	TPU BLACK	UL 21215	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 mio cycles at temp 20°C	SD-120209-006	WSOR
B36	3/4	0.34mm²	TPU ORANGE							SD-120209-001	
PART LIST											
MOLEX PN	ENGINEERING No		L+Tol. [mm]								
1200868667	403001B41M010		1000								
1200868668	403001B41M020		2000								
1200868669	403001B41M050		5000								
1200868670	403001B41M100		10000								
1200868671	404001B41M010		1000								
1200868672	404001B41M020		2000								
1200868673	404001B41M050		5000								
1200868674	404001B41M100		10000								
1200868675	405001B41M010		1000								
1200868676	405001B41M020		2000								
1200868677	405001B41M050		5000								
1200868678	405001B41M100		10000								
1200868883	403001B36M0507Y		5000								
1200868888	404001B36M0507Y		5000								
1200868925	403001B36M0107Y		1000								
1200868948	404001B41M005		500								
1200868949	404001B41M030		3000								
1200868950	404001B41M040		4000								
1200868951	404001B41M080		8000								
CABLE LENGTH TOLERANCES											
LENGTH		TOLERANCE									
0m-1m		+40 mm									
>1m-5m		+60 mm									
>5m-10m		+80 mm									
>10m-20m		+140 mm									
>20m-30m		+160 mm									
>30m		+1% length									
FUNCTIONAL SYMBOLS											
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DIVISIONAL SYMBOLS		CURRENT REV DESC:									
EC NO: 684766		DRWN: SSM		2021/11/03							
CHK'D: RSILLER		APPR: RSILLER		2021/11/10							
INITIAL REVISION:		DRWN: WSTRASZKIEWI		2014/09/02							
APPR: MIWASIECZKO		2014/09/08									
DOCUMENT NUMBER		SD-120086-010		DOC TYPE		DOC PART		REVISION			
SEE PART LIST		GENERAL MARKET		2 OF 2							
DOCUMENT STATUS											
P1		RELEASE DATE		2021/11/10		13:49:45					
FORMAT: master-b-prod-A3											
REVISION: J1											
DATE: 2021/05/01											