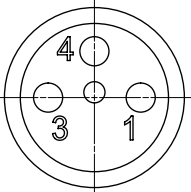


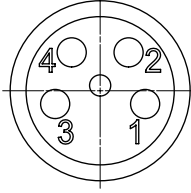
M8 FEMALE
VIEWS FROM THE FRONT SIDE

3 POLE



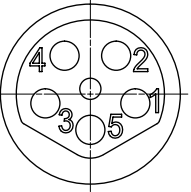
Pin	Wire color
1	BROWN
3	BLUE
4	BLACK

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°

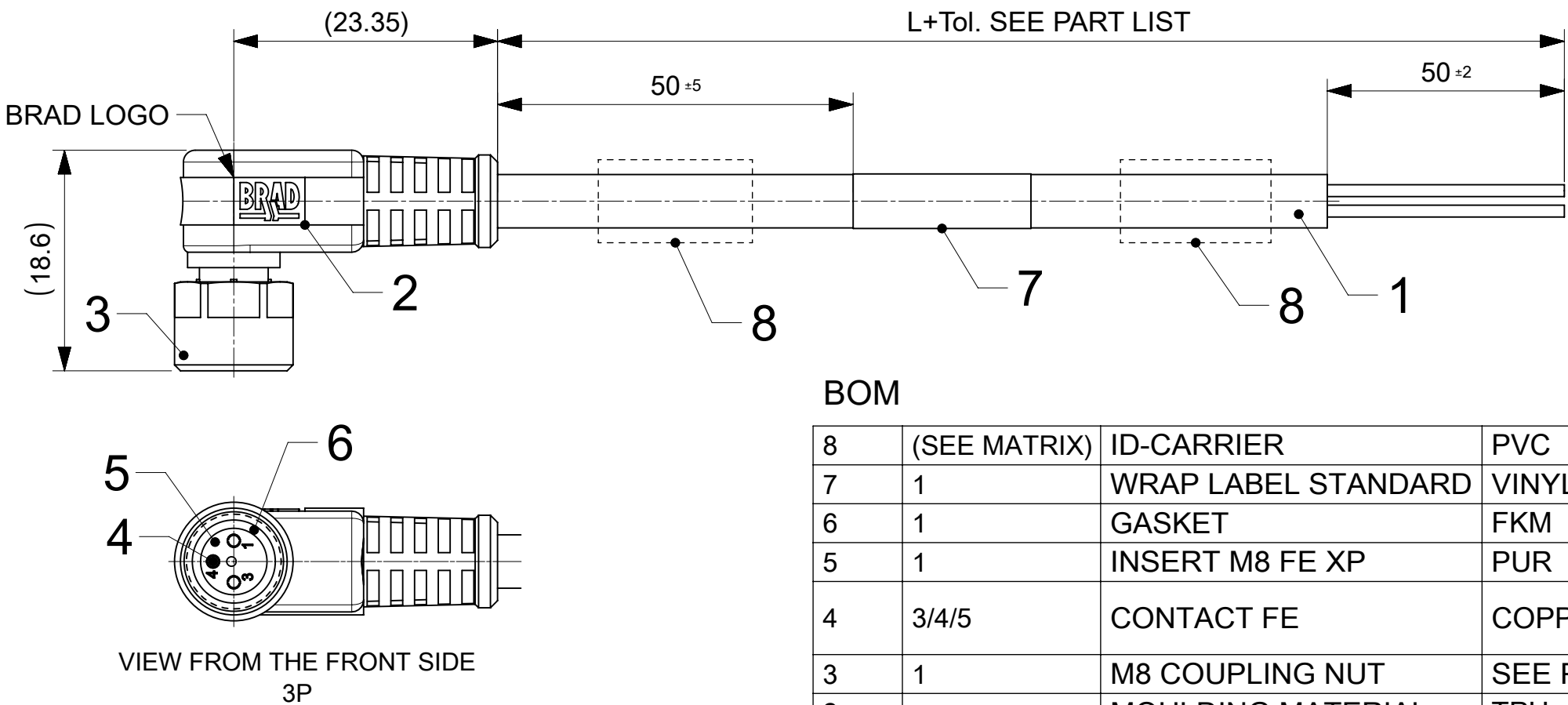
CABLE:
B41 = 0,25mm²,
TPU BK
B36 = 0,34mm²,
TPU OG

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
FA= 0
FE= 0
FE= 0

DIVISIONAL SYMBOLS
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

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 °

CURRENT REV DESC:
EC NO: 684766
DRWN: SSM
CHK'D: RSILLER
APPR: RSILLER
INITIAL REVISION:
DRWN: WSTRASZKIEWI
APPR: MIWASIECZKO

2021/11/03
2021/11/10
2021/11/10
2014/09/02
2014/09/08

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

MATERIAL NUMBER
SEE PART LIST

CUSTOMER
GENERAL MARKET

SHEET NUMBER
1 OF 2

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											
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
CURRENT REV DESC:											
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											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
THIRD ANGLE PROJECTION											
DRAWING											
A3-SIZE											
SERIES											
120086											
MATERIAL NUMBER											
SEE PART LIST											
CUSTOMER											
GENERAL MARKET											
SHEET NUMBER											
2 OF 2											
DOCUMENT STATUS	P1	RELEASE DATE	2021/11/10	13:49:45							
FORMAT: master-b-prod-A3 REVISION: 11 DATE: 2021/05/01	9	8	7	6	5	4	3	2	1		