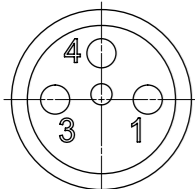


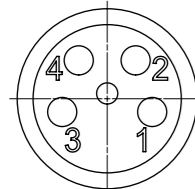
M8 FEMALE  
VIEWS FROM THE FRONT SIDE

3 POLE



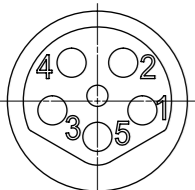
Pin	Wire color
1	BROWN
3	BLUE
4	BLACK

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 = 0,25mm<sup>2</sup>,  
TPU BK  
B36 = 0,34mm<sup>2</sup>,  
TPU OG

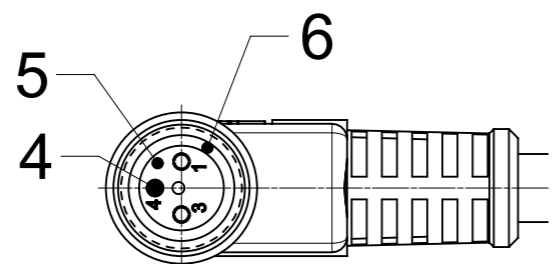
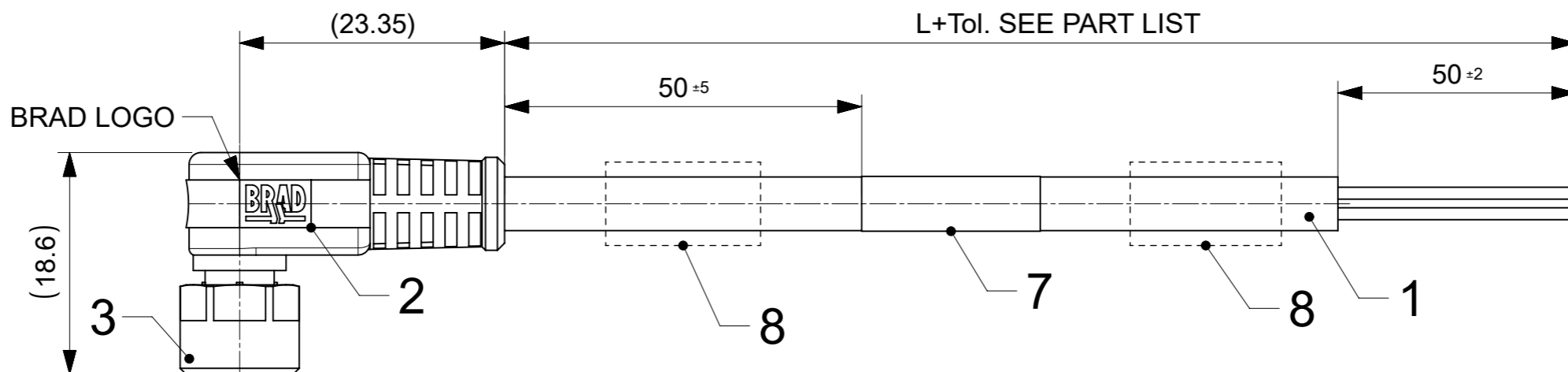
UNIT:  
M = METER

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

OPTIONS

COUPLING NUT:  
BLANK = KNU  
7 = TEFLON KNU  
OVERMOULDED:  
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)



VIEW FROM THE FRONT SIDE  
3P

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR
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

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	CURRENT REV DESC:
▽A = 0	mm	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽E = 0		ANGULAR TOL ± 1.0°		
▽F = 0				
DIVISIONAL SYMBOLS		4 PLACES ±		EC NO: 684766
		3 PLACES ±		DRWN: SSM
		2 PLACES ±		CHK'D: RSILLER
		1 PLACE ±		APPR: RSILLER
		0 PLACES ±		INITIAL REVISION:
				DRWN: WSTRASZKIEWI
				APPR: MIWASIECZKO
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING	A3-SIZE	SERIES
				120086
		MATERIAL NUMBER	SEE PART LIST	CUSTOMER
				GENERAL MARKET
		DOCUMENT NUMBER	SD-120086-010	DOC TYPE
				PSD
		DOC PART	001	REVISION
				B4
		SHEET NUMBER	1 OF 2	

# 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	0.25mm <sup>2</sup>	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	0.34mm <sup>2</sup>	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 ∇/A = 0 ∇/E = 0 ∇/V = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC:		 CSE M8 XP AC FE RA TPU XM
	DIMENSION UNITS	SCALE	EC NO: 684766		
	mm	1:1	DRWN: SSM 2021/11/03		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER: SD-120086-010 DOC TYPE: PSD DOC PART: 001 REVISION: B4
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: RSILLER 2021/11/10		
	ANGULAR TOL ± 1.0°		APPR: RSILLER 2021/11/10		
DIVISIONAL SYMBOLS	4 PLACES ±		INITIAL REVISION:		
	3 PLACES ±		DRWN: WSTRASZKIEWI 2014/09/02		
	2 PLACES ±		APPR: MIWASIECZKO 2014/09/08		
	1 PLACE ±		MATERIAL NUMBER: SEE PART LIST		
	0 PLACES ±		CUSTOMER: GENERAL MARKET		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING: A3-SIZE	SERIES: 120086	SHEET NUMBER: 2 OF 2