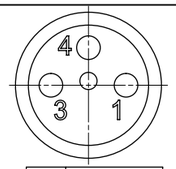
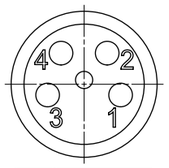
M8 FEMALE
VIEWS FROM THE FRONT SIDE

3 POLE



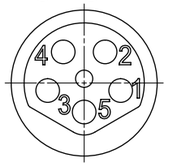
Pin	Wire color
1	BROWN
3	BLUE
4	BLACK

4 POLE



Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK

5 POLE



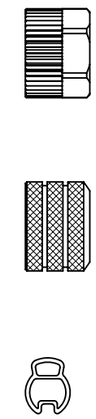
Pin	Wire color
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY

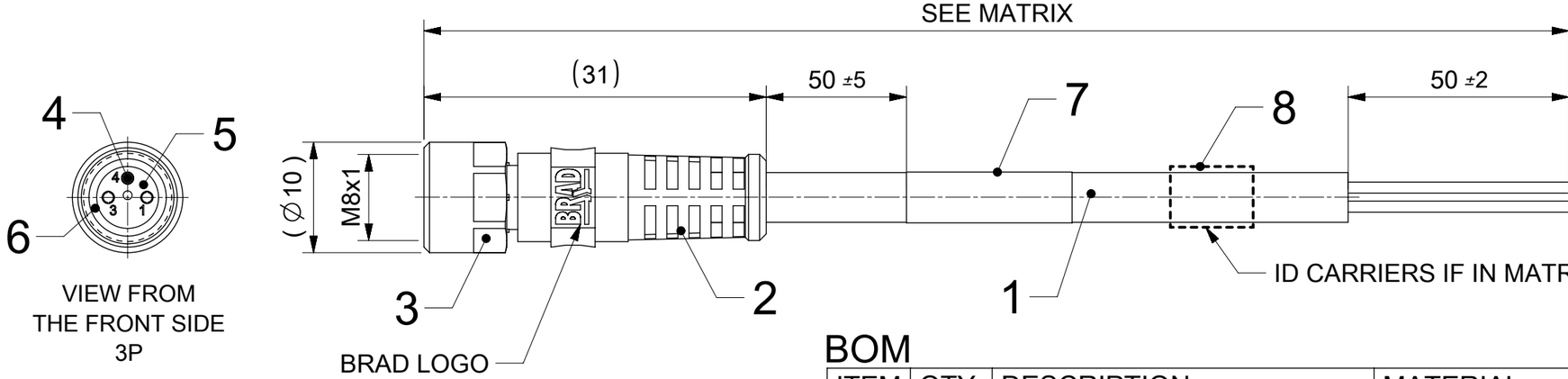
PART NO MATRIX

4	0	*	0	0	0	B	4	1	M	*	*	*	*

OPTIONS

- 40 = M8 SINGLE ENDED
- POLES: 3 = 3 POLES; 4 = 4 POLES; 5 = 5 POLES
- HEADER: 000 = FEMALE STRAIGHT
- CABLE: B41 = 0,25mm², TPU BLACK
- UNIT: M = METER
- LENGTH: EXAMPLE: 010 = 1 m; 050 = 5 m; 100 = 10 m
- OVERMOLD COLOR: BLANK (STANDARD)= BLACK; Y= YELLOW
- COUPLING NUT: BLANK (STANDARD)= KNURLED / HEX BRASS, Ni PLATED; 7 = KNURLED BRASS, Ni PLATED, TEFLON COATED
- H = 2 PCS. OF I/D CARIERR FOR CABLE B36





VIEW FROM THE FRONT SIDE 3P

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
1	-	CABLE	SEE CABLE SPECIFICATION	
2	-	OVERMOLD	SEE PART MATRIX	
3	1	M8 HEX KNU FE NUT	SEE PART MATRIX	
4	3/4/5	CONTACT FE	BRONZE	SELECTIVE GOLD OVER NICKEL
5	1	INSERT M8 FE XP	PUR	BLACK
6	1	GASKET	FKM	RED
7	1	LABEL	VINYL	YELLOW
8	2	ID-CARRIER (SEE MATRIX)	PVC	-

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% of length

NOTES

TEMPERATURE RANGE	-25°C/+80°C
CONTACT CURRENT RATING	3A
VOLTAGE RATING	3 POLES 60V
	4-5 POLES 30 V
PROTECTION CLASS	IP 67
INSULATION RESISTANCE	10⁸ Ω MIN.
MATING CYCLES	MIN. 100

FUNCTIONAL SYMBOLS: FA = 0; FC = 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: mm; SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ±

2 PLACES ±

1 PLACE ±

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES ON MATING CYCLES & INSULATION RESISTANCE. SORTED PART LIST USING CABLE TYPES ON SHEET 2

EC NO: 789428

DRWN: AKABADI 2023/08/18

CHK'D: RSILLER 2024/07/02

APPR: RSILLER 2024/07/02

INITIAL REVISION:

DRWN: MDHARMANTI 2021/10/19

APPR: RSILLER 2021/10/22

THIRD ANGLE PROJECTION

DRAWING: A3-SIZE

SERIES: 120086

molex

CSE M8 XP AC FE STR TPU XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200868655	PSD	000	B

MATERIAL NUMBER: SEE PART LIST

CUSTOMER: GENERAL MARKET

SHEET NUMBER: 1 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/02 09:18:34

FORMAT: molex_tech_v1.A3

DATE: 2024/07/02

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PART LIST

MOLEX PN	ENGINEERING No	L [mm]
3P CABLE B36		
1200868882	403000B36M0107Y	1000
1200868891	403000B36M0207Y	2000
4P CABLE B36		
1200868884	404000B36M0107Y	1000
1200868885	404000B36M0207Y	2000
1200868886	404000B36M0307Y	3000
1200868887	404000B36M0507Y	5000
3P CABLE B41		
1200868832	403000B41M005	500
1200868655	403000B41M010	1000
1200868937	403000B41M015	1500
1200868656	403000B41M020	2000
1200868938	403000B41M025	2500
1200868939	403000B41M030	3000
1200868657	403000B41M050	5000
1200868781	403000B41M055	5500
1200868798	403000B41M065	6500
1200868782	403000B41M085	8500
1200868658	403000B41M100	10000
1200868840	403000B41M150	15000
1200868841	403000B41M200	20000

MOLEX PN	ENGINEERING No	L [mm]
4P CABLE B41		
1200868944	404000B41M005	500
1200868659	404000B41M010	1000
1200868660	404000B41M020	2000
1200868945	404000B41M030	3000
1200868946	404000B41M040	4000
1200868661	404000B41M050	5000
1200868947	404000B41M080	8000
1200868662	404000B41M100	10000
1200868890	404000B41M150	15000
1200868889	404000B41M200	20000
5P CABLE B41		
1200868663	405000B41M010	1000
1200868664	405000B41M020	2000
1200868665	405000B41M050	5000
1200868666	405000B41M100	10000

CABLE SPECIFICATION

CABLE TYPE	NO. OF WIRES	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other	CABLE SPEC. DRAWING
B41	3/4/5	0.25mm²	TPU BLACK	STYLE 21215	yes	-40°C TO +90°C 5xD	-25°C TO +80°C 7.5xD	5 mio cycles	WELD SLAG RESISTANCE	SD-120209-006
B36	3/4	0.34mm²	TPU ORANGE	STYLE 21215/758	C22.2I/II/ A/B 80/600V	-40°C TO +90°C 5xD	-25°C TO +80°C 7.5xD	5 mio cycles	WELD SLAG RESISTANCE	SD-120209-001

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FP = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: AS PER THE PCN-513749 CHANGED DIMENSIONING STYLE OF OVERALL LENGTH TO "END TO END". ADDED NOTES ON MATING CYCLES & INSULATION RESISTANCE. SORTED PART LIST USING CABLE TYPES ON SHEET 2

EC NO: 789428
DRWN: AKABADI 2023/08/18
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INITIAL REVISION:
DRWN: MDHARMANTI 2021/10/19
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THIRD ANGLE PROJECTION
DRAWING: A3-SIZE
SERIES: 120086

molex

CSE M8 XP AC FE STR TPU XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1200868655	PSD	000	B

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/02 09:18:34

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