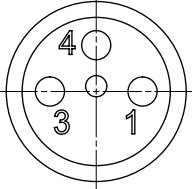
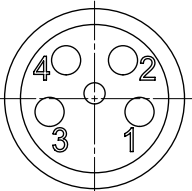


M8 FEMALE
VIEWS FROM
THE FRONT SIDE
3 POLE



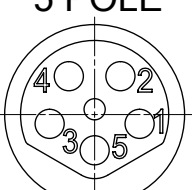
Pin	Wire color
1	BROWN
3	BLUE
4	BLACK

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

40 = M8
SINGLE ENDED

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

HEADER:
000 = FEMALE STRAIGHT

CABLE:
B41 = 0,25mm², TPU BLACK

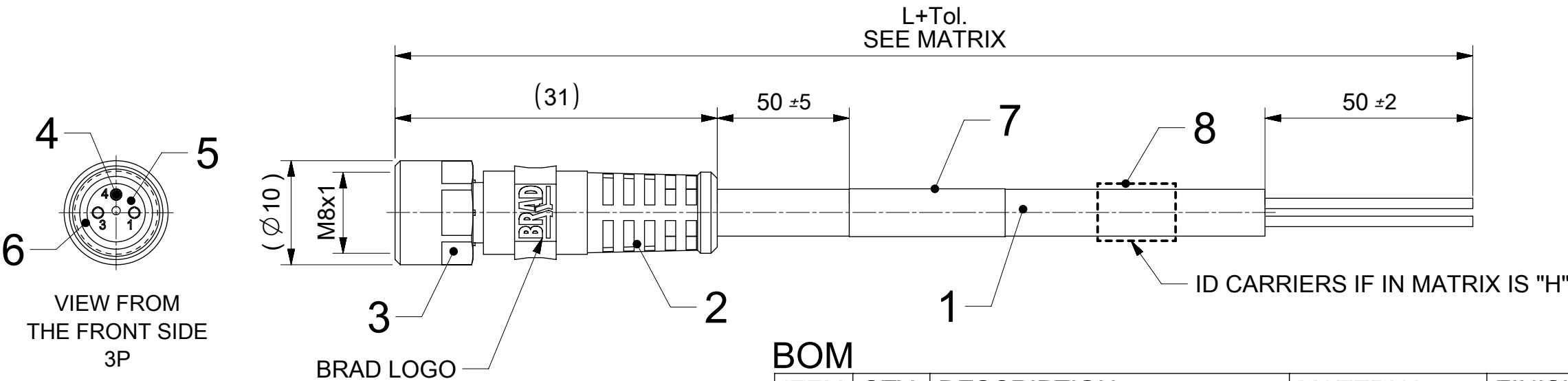
UNIT:
M = METER

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 CARRIERR
FOR CABLE B36



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	10 ⁸ Ω MIN.
MATING CYCLES	MIN. 100

FUNCTIONAL SYMBOLS
▽A/ = 0
▽E/ = 0
▽E/ = 0

DIVISIONAL SYMBOLS

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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
CHK'D: RSILLER
APPR: RSILLER

2023/08/18
2024/07/02
2024/07/02

INITIAL REVISION:
DRWN: MDHARMANTI
APPR: RSILLER

2021/10/19
2021/10/22

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 STR TPU XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1200868655

DOC TYPE
PSD

DOC PART
000

REVISION
B

	10	9	8	7	6	5	4	3	2	1
F	PART LIST									
	MOLEX PN			ENGINEERING No			L [mm]			
E	3P CABLE B36			4P CABLE B36						
	1200868882			403000B36M0107Y			1000			
D	1200868891			403000B36M0207Y			2000			
	1200868884			404000B36M0107Y			1000			
C	1200868885			404000B36M0207Y			2000			
	1200868886			404000B36M0307Y			3000			
B	1200868887			404000B36M0507Y			5000			
	3P CABLE B41			3P CABLE B41						
A	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			
CABLE SPECIFICATION										
B	CABLE TYPE	NO. OF WIRES	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other
	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
	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
A	DOCUMENT STATUS									

F

E

D

C

B

A

10987654321

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

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

FUNCTIONAL SYMBOLS
F/A = 0
F/E = 0
F/P = 0
DIVISIONAL SYMBOLS

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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
SERIES
MATERIAL NUMBER
CUSTOMER
SHEET NUMBER

molex

CSE M8 XP AC FE STR TPU XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1200868655
DOC TYPE
PSD
DOC PART
000
REVISION
B

SEE PART LIST
GENERAL MARKET
2 OF 2

10987654321

F

E

D

C

B

A

10987654321

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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DIMENSION UNITS
mm

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ANGULAR TOL ± °
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molex

CSE M8 XP AC FE STR TPU XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1200868655
DOC TYPE
PSD
DOC PART
000
REVISION
B

SEE PART LIST
GENERAL MARKET
2 OF 2

10987654321

	10	9	8	7	6	5	4	3	2	1
F	PART LIST									
	MOLEX PN			ENGINEERING No			L [mm]			
	3P CABLE B36			4P CABLE B41						
	1200868882			403000B36M0107Y			1000			
	1200868891			403000B36M0207Y			2000			
	4P CABLE B36			404000B41M005			500			
	1200868884			404000B41M010			1000			
	1200868885			404000B41M020			2000			
	1200868886			404000B41M030			3000			
	1200868887			404000B41M040			4000			
E	3P CABLE B41			404000B41M050			5000			
	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			
D	1200868782			403000B41M085			8500			
	1200868658			403000B41M100			10000			
	1200868840			403000B41M150			15000			
	1200868841			403000B41M200			20000			
	5P CABLE B41			405000B41M010			1000			
	1200868663			405000B41M020			2000			
	1200868664			405000B41M050			5000			
	1200868665			405000B41M100			10000			
	1200868666									

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