

[illegible]

10

9

8

7

6

5

4

3

2

1

WIRING DIAGRAM

PIN 1	VIOLET
PIN 2	RED
PIN 3	GREY
PIN 4	RED/BLUE
PIN 5	BLUE
PIN 6	GREEN
PIN 7	BROWN
PIN 8	WHITE/GREEN
PIN 9	WHITE/YELLOW
PIN 10	WHITE/GREY
PIN 11	BLACK
PIN 12	YELLOW/GREEN
PIN 13	YELLOW/BROWN
PIN 14	BROWN/GREEN
PIN 15	WHITE
PIN 16	YELLOW
PIN 17	PINK
PIN 18	GREY/BROWN
PIN 19	GREY/PINK

PART LIST

MOLEX PN	ENGINEERING NO	L+Tol.[mm]		
1300088079	303000B80M050	5000		
1300088080	303000B80M100	10000		
1300080296	303000E80F200	60960		
1300080297	303000E80M010	1000		
1300088030	303000E80M020	2000		
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1300080311	303000P80M300	30000		
DOCUMENT STATUS	P1	RELEASE DATE	2022/03/21	13:34:23

PART No. MATRIX

303000X80MXXX

30 = C-SIZE
Single Ended

Poles:
3 = 19 Poles

Heads style:
000 = Female straight

Cable - See TABLE 1

Units:
M = Meter

Length
Examples:
005 = 0.5 m
010 = 1 m
050 = 5 m
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Coupling Nut Material
Blank=Standard
1= Stainless Steel
3= Brass
5=Delrin

VIEW FROM THE FRONT SIDE

SECTIONAL VIEW

CABLE LIST

CABLE TYPE	DESCRIPTION	MATERIAL	JACKET COLOR
E80	CABLE;3X0.75+16X0.34	PVC	YELLOW
P80	CABLE;3X0.75+16X0.34	PUR	BLACK
I80	CABLE;3X0.75+16X0.34	PVC	GRAY
B80	CABLE 3X19AWG+16X22AWG	TPU	BLACK

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
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7	-	MOULDING MATERIAL	ARNITEL	YELLOW
6	1	FRICTION RING - C SIZE	NYLON	TRANSPARENT
5	1	COUPLING NUT C-SIZE FEMALE	ELECTROPHORETIC	BLACK
4	1	INSERT 19P FEMALE	ARNITEL	YELLOW
3	3	CONTACT FEMALE	-	-
2	16	CONTACT FEMALE	-	-
1	-	CABLE 3x19AWG+16c22AWG	SEE TABLE 1	SEE TABLE 1

TABLE OF LENGTH TOLERANCES (mm)

OVER	UP TO AND INCLUDING	TOLERANCE (+)
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	>	+2% OF LENGTH

NOTES :

ELECTRICAL DATA :

VOLTAGE RATING : 250VAC-300VDC

CONTACT CURRENT RATING - 1MM = 4 AMPS

CONTACT CURRENT RATING - 2MM = 13 AMPS

MAX. CURRENT RATING - 24AMPS

INSULATION RESISTANCE : 10⁸Ω MIN.

MATING CYCLES : MIN. 100

ENVIRONMENTAL :

PROTECTION CLASS : IP68 IN MATED AND LOCKED POSITION

OPERATING TEMPERATURE : -25°C TO +80°C

TABLE 1

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APPR: RSILLER

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2022/03/21

INITIAL REVISION:
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THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

mm

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

A3-SIZE

130008

SEE SHEET 2

GENERAL MARKET

1 OF 1

moLEX

CSE MC 19P FE STR XM

PRODUCT CUSTOMER DRAWING

1300080300

PSD

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DRAWING

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moLEX

CSE MC 19P FE STR XM

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