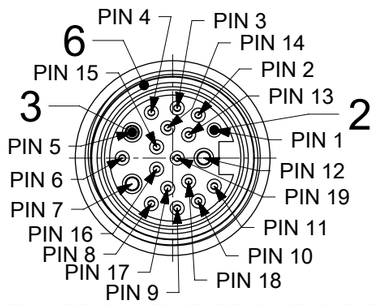
WIRING DIAGRAM

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

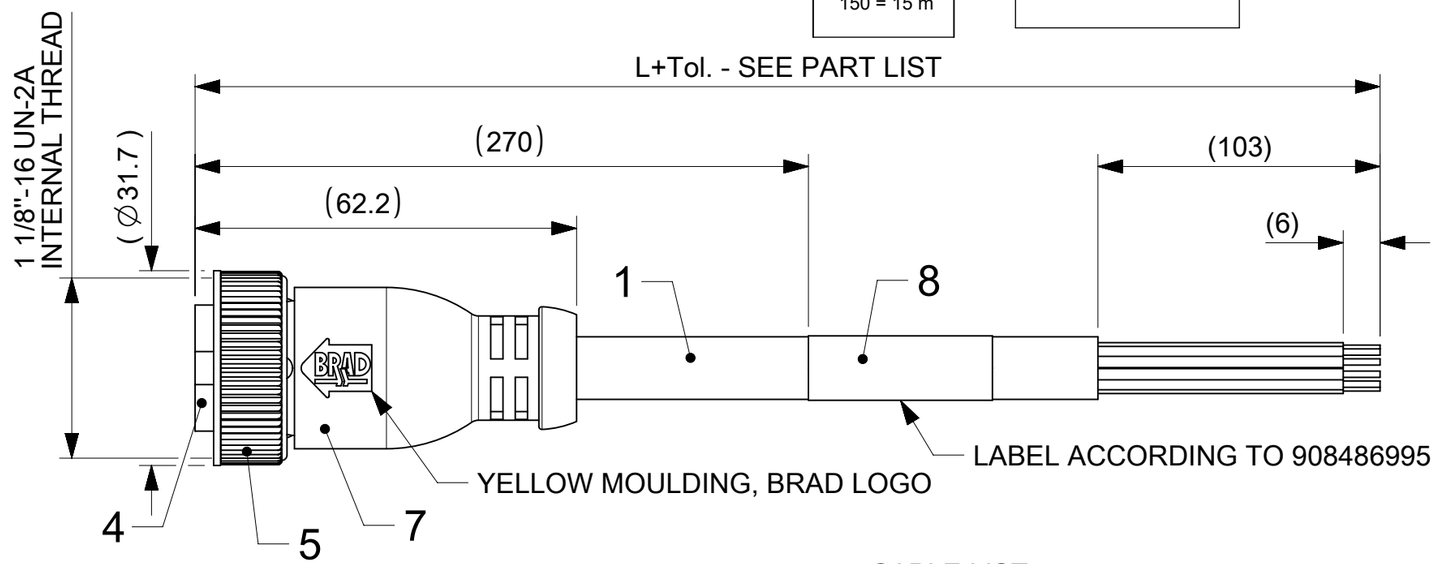
PART No. MATRIX

3	0	3	0	0	0	X	8	0	M	X	X	X	X

- 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, 100 = 10 m, 150 = 15 m
- Coupling Nut Material: Blank=Standard, 1= Stainless Steel, 3= Brass, 5=Delrin



VIEW FROM THE FRONT SIDE



CABLE LIST

CABLE TYPE	DESCRIPTION	MATERIAŁ	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

PART LIST

MOLEX PN	ENGINEERING NO	L+Tol.[mm]
1300088079	303000B80M050	5000
1300088080	303000B80M100	10000
1300080299	303000P80M003	300
1300080300	303000P80M010	1000
1300080301	303000P80M020	2000
1300080302	303000P80M030	3000
1300080303	303000P80M050	5000
1300080305	303000P80M080	8000
1300080306	303000P80M100	10000
1300080307	303000P80M130	13000
1300080309	303000P80M160	16000
1300080310	303000P80M200	20000
1300080480	303000P80M230	23000
1300080311	303000P80M300	30000

DOCUMENT STATUS	P1	RELEASE DATE	2025/08/08 08:08:04

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 : $10^8\Omega$ MIN.
MATING CYCLES : MIN. 100

ENVIRONMENTAL :
PROTECTION CLASS : IP68 IN MATED AND LOCKED POSITION
OPERATING TEMPERATURE : -25°C TO +80°C

BOM

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
8	1	LABEL WRAP	VINYL	YELLOW
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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS	SCALE
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

CURRENT REV DESC: REMOVED OBSOLETED PART NUMBERS AS PER PCN #516685

EC NO: 830094
DRWN: PRANAA 2025/07/28
CHK'D: GB 2025/08/08
APPR: GB 2025/08/08

INITIAL REVISION:
DRWN: MDHARMANTI 2022/03/18
APPR: RSILLER 2022/03/21

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 130008

molex

CSE MC 19P FE STR XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1300080300	PSD	000	A1

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE PART LIST	GENERAL MARKET	1 OF 1

FORMAT: master-tb-prod-A3
REVISION: J1
DATE: 2021/05/01