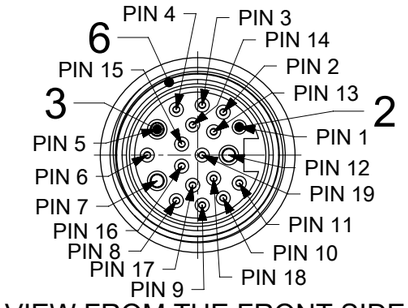
WIRING DIAGRAM

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

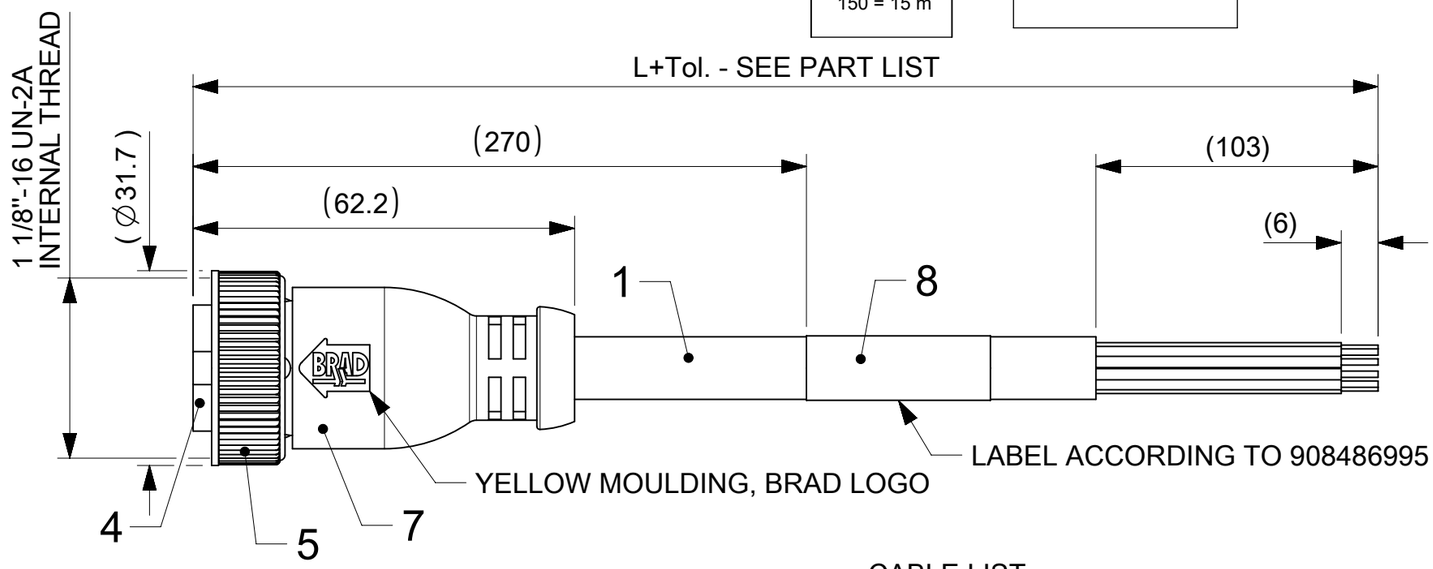
PART No. MATRIX

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



PART LIST

MOLEX PN	ENGINEERING NO	L+Tol.[mm]
1300088079	303000B80M050	5000
1300088080	303000B80M100	10000
1300080296	303000E80F200	60960
1300080297	303000E80M010	1000
1300088030	303000E80M020	2000
1300088011	303000E80M100	10000
1300085002	303000I80M050	5000
1300089016	303000I80M100	10000
1300089017	303000I80M150	15000
1300088012	303000I80M200	20000
1300085003	303000I80M250	25000
1300080299	303000P80M003	300
1300080300	303000P80M010	1000
1300080301	303000P80M020	2000
1300080302	303000P80M030	3000
1300080303	303000P80M050	5000
1300080304	303000P80M070	7000
1300080305	303000P80M080	8000
1300080306	303000P80M100	10000
1300080307	303000P80M130	13000
1300080308	303000P80M150	15000
1300080309	303000P80M160	16000
1300080310	303000P80M200	20000
1300080480	303000P80M230	23000
1300080503	303000P80M250	25000
1300080311	303000P80M300	30000

DOCUMENT STATUS	P1	RELEASE DATE	2022/03/21 13:34:23

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

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

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

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

FUNCTIONAL SYMBOLS: FA = 0, FC = 0, FD = 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	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: MIGRATED AND REVISED

EC NO: 700233
DRWN: MDHARMANTI 2022/03/18
CHK'D: RSILLER 2022/03/21
APPR: RSILLER 2022/03/21

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	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 2	GENERAL MARKET	1 OF 1

FORMAT: master_B_sheet_A3
REVISION: J1
DATE: 2021/05/07

PART NUMBER LEGEND

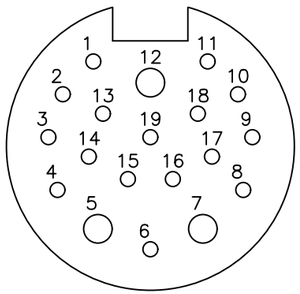
303000B80M050

CABLE TYPE
WSOR TPU
BLACK

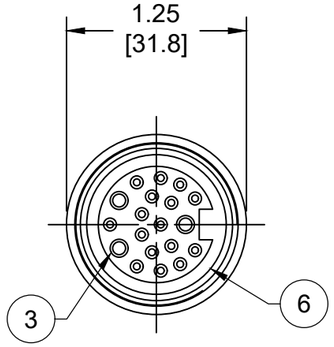
LENGTH
M001 = 0.1 METER
M010 = 1.0 METER
M100 = 10.0 METERS

PART NO.	ENGINEERING NO.	FINISHED LENGTH
1300088079	303000B80M050	5M [16FT 5 IN]
1300088080	303000B80M100	10M [32 FT 9 IN]

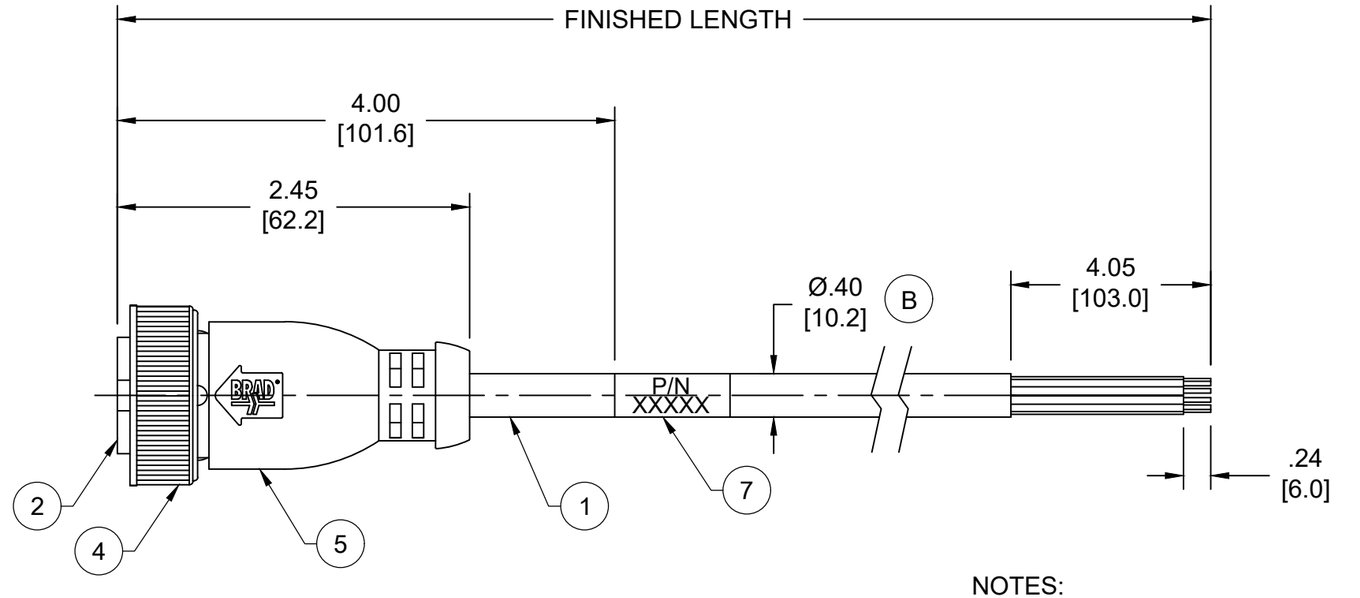
FACE VIEW-FEMALE INSERT



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



FACE VIEW-FEMALE



B

CABLE LENGTH TOLERANCES
<.3M [1FT]: +19mm-0 [+.75in-0]
.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]
.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]
1.8 - 3.7M [6 - 12FT: +88.9mm-0 [+3.50in-0]
3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]
7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]
14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]
OVER 30M [100FT] +2% OF FINISHED LENGTH

NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
   VOLTAGE: 300V
   CURRENT: 2A
4. TEMP RATING: -20°TO +90°C
5. PROTECTION: IP67 (WHEN MATED)
6. COUPLING THREAD: 1 1/8"-16UN-2B
7. ALL DIMS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

ITEM	DESCRIPTION	MATERIAL	FINISH	
7	WRAP LABEL	VINYL	BLACK/YELLOW	
6	FRICTION RING	NYLON	WHITE	
5	OVERMOLD	TPE	YELLOW	B
4	COUPLING NUT	ZINC DIE-CAST	BLACK E-COAT	
3	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL	
2	INSERT	TPE	YELLOW	B
1	CABLE, #19-3, #22-16 AWG	TPU JACKET	BLACK	

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

DIMENSION UNITS: INCH/MM
SCALE: NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	±----	±----
3 PLACES	±----	±----
2 PLACES	±----	±----
1 PLACE	±----	±----
0 PLACES	±----	±----
ANGULAR TOL	± ---- °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC: ITEM# 2 & 5 WERE PVC. ADDED CABLE DIA, PN CHART & TOL CHART.

EC NO: 702709
DRWN: ABENJAMINLW 2022/02/22
CHK'D: RSTONE 2022/04/11
APPR: BWOODMAN 2022/04/16

INITIAL REVISION:
DRWN: MZIELINS 2016/08/09
APPR: BWOODMAN 2016/08/26

molex

MINI-CHANGE CORDSET, C-SIZE
19 POLE, FEMALE, STRAIGHT, SINGLE KEY, #19-3, #22-16 AWG SE WSOR TPU

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-130008-028	PSD	001	B

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	B-SIZE	130008	SEE CHART	GENERAL MARKET	1 OF 1

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/16 16:04:53

FORMAT: IN-ACAD-tb-prod-B
REVISION: B
DATE: 2020/01/14