

12

11

10

9

8

7

6

5

4

3

2

1

FACE VIEW-FEMALE INSERT

5

6

1

4

3

2

6

1

2

4

3

5

6

7

1

5

8

2

4

3

1 ORANGE

2 BLUE

3 BLACK

4 WHITE

5 RED

6 GREEN/YELLOW

1 WHITE/BLACK

2 BLACK

3 WHITE

4 RED

5 ORANGE

6 BLUE

7 GREEN/YELLOW

1 ORANGE

2 BLUE

3 WHITE/BLACK

4 BLACK

5 WHITE

6 RED

7 GREEN/YELLOW

8 RED/BLACK

FACE VIEW-MALE INSERT

1

6

5

2

3

4

1

6

5

2

7

4

1

7

6

2

8

5

3

4

1 ORANGE

2 BLUE

3 WHITE/BLACK

4 BLACK

5 WHITE

6 RED

7 GREEN/YELLOW

8 RED/BLACK

3

2

4

5

8

1

5

4

6

7

NOTES:

1. MATERIAL: AS NOTED

2. FINISH: AS NOTED

3. ELECTRICAL:

6 POLE: VOLTAGE: 400V PER IEC60664

600V PER UL2238

CURRENT: 8A

7 POLE: VOLTAGE: 320V PER IEC60664

600V PER UL2238

CURRENT: 8A

8 POLE: VOLTAGE: 320V PER IEC60664

600V PER UL2238

CURRENT: 7A

4. TEMP RATING: -20°TO +105°C

5. PROTECTION: IP67 (WHEN MATED)

6. COUPLING THREAD: 1"-16 UN

7. UL RECOGNIZED FILE: E152210

CSA CERTIFIED FILE: LR6837 (B)

8. ALL DIMENSIONS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

8

7

6

5

4

3

2

1

ITEM

WRAP LABEL

CONTACT PIN

MALE INSERT

OVERMOLD

COUPLING

CONTACT SOCKET

FEMALE INSERT

CABLE, 16AWG, TPE,STOOW

DESCRIPTION

VINYL

COPPER ALLOY

TPE

TPE

ZINC DIE-CAST

COPPER ALLOY

TPE

PVC JACKET

MATERIAL

BLACK/YELLOW

GOLD PLATED

YELLOW

YELLOW

BLACK

GOLD PLATED

YELLOW

YELLOW

FINISH

(B)

(B)

(B)

(B)

PART NO. MATRIX

227020A01M010

POLES

(6,7,8)

FINISHED LENGTH:

M005= 0.5 METER

M010= 1 METER

M100= 10 METER

F010= 1 FOOT

F100= 10 FEET

PART NO

ENGINEERING NO.

FINISHED LENGTH

1300110008

226020A01F030

3FT [0.9M]

1300110082

227020A01M300

30M [98FT 5 IN]

1300110158

228020A01M600

60M [196FT 10 IN]

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

FUNCTIONAL SYMBOLS

FA=0

FC=0

FP=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

INCH/MM

SCALE

NTS

CURRENT REV DESC: ITEM# 2, 5 & 6 WERE PVC. ADDED "CSA" IN NOTES. ADDED CABLE DIA. MODIFIED MATERIAL TABLE

EC NO: 643513

DRWN: ABENJAMINLW

CHK'D: RSTONE

APPR: BWOODMAN

2020/07/29

2020/08/28

2020/09/15

GENERAL TOLERANCES (UNLESS SPECIFIED)

mm

INCH

4 PLACES

±----

±----

3 PLACES

±----

±----

2 PLACES

±----

±----

1 PLACE

±----

±----

0 PLACES

±----

±----

ANGULAR TOL ± 0.5 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

139990

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

DOCUMENT STATUS

P1

RELEASE DATE

2020/09/15

20:43:15

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12

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