

12

11

10

9

8

7

6

5

4

3

2

1

FACE VIEW-MALE INSERT

1 WHITE
2 BLACK

1 GREEN/YELLOW
2 BLACK
3 WHITE

1 BLACK
2 WHITE
3 RED
4 GREEN/YELLOW

1 WHITE
2 RED
3 GREEN/YELLOW
4 ORANGE
5 BLACK

1 WHITE
2 RED
3 GREEN/YELLOW
4 ORANGE
5 BLACK
6 BLUE

B1

MATERIAL NUMBER	ENGINEERING NUMBER	POLES	FINISHED LENGTH
1300130090	1R2007A20A120	2	12 IN [1FT]
1300130248	1R3007A20F020	3	2FT [0.6M]
1300130387	1R4007A20F060	4	6FT [1.8M]
1300130536	1R5007A20F030	5	3FT [0.9M]
1300131009	1R6007A20F030	6	3FT [0.9M]

NOTES:
1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:
VOLTAGE: 2P & 3P: 500V PER IEC60664
4P: 483V PER IEC60664
5P & 6P: 400V PER IEC60664
600V PER UL2238
CURRENT: 2P & 3P: 13A
4P: 10A
5P & 6P: 8A
4. TEMP RATING: -20°TO +105°C
5. PROTECTION: IP67 (WHEN MATED)
6. UL RECOGNIZED FILE: E152210
CSA CERTIFIED FILE: LR6837
7. ALL DIMENSIONS ARE FOR REFERENCE UNLESS TOLERANCED OR NOTED OTHERWISE

PART NUMBER LEGEND

1R2007A20A120

POLES 2-6

FINISHED LENGTH:
A120 = 12 INCHES
F015 = 1.5 FEET
F020 = 2 FEET
F100 = 10 FEET

WIRE 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

6	FLAG LABEL	VINYL	BLACK/YELLOW
5	POTTING MATERIAL	EPOXY	
4	WIRE 16AWG (UL1015)	PVC INSULATION	SEE CHART
3	CONTACT PIN	COPPER ALLOY	GOLD OVER NICKEL
2	MALE INSERT	TPE	YELLOW
1	RECEPTACLE SHELL	ZINC DIE-CAST	BLACK E-COAT
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS

P1

RELEASE DATE

2022/06/14

13:48:37

12

11

10

9

8

7

6

5

4

3

2

1

FORMAT: IN/ACAD/8-ansi-C

REVISION: B

DATE: 2022/06/14

FUNCTIONAL SYMBOLS

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: 2P VOLTAGE WAS 600V.
MODIFIED TEMP RATING & PN TABLE. ADDED WIRE STRIP END.

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

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

130013

MATERIAL NUMBER

SEE CHART

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 1

EC NO: 709714

DRWN: ABENJAMINLW

CHK'D: RSTONE

APPR: BWOODMAN

INITIAL REVISION:

DRWN: RSTONE

APPR: BWOODMAN

2022/02/18

2022/06/08

2022/06/14

2019/03/27

2019/03/30

DOCUMENT NUMBER

SD-130013-090

DOC TYPE

PSD

DOC PART

001

REVISION

B1

molex

MINI-CHANGE RECEPTACLE, A SIZE
2-6 POLE, MALE, 90DEG, SINGLE KEY,
#16 AWG

PRODUCT CUSTOMER DRAWING