

REV

ECO

DESCRIPTION

DATE

BY

APPR

A1

-

TECHNICAL DATA SHEET RELEASE

12-MAY-14

KMM

RFC

LENGTH (Mxxx = METERS)

58.1mm [2.29"]

25.4mm [1.00"] TYP

P1

Amphenol Sine Systems

P29008-M()
() METERS
AMPHENOL SINE SYSTEMS

Ø14.5mm [0.57"]

59.6mm [2.35"]

P2

7/8-16 UN
TYP

4

1

3

2

1

2

3

4

BLACK 14AWG

WHITE 14AWG

RED 14AWG

GREEN 14AWG

P1

P2

4

1

3

2

1

2

3

4

Amphenol P/N

ROCKWELL P/N

MOLEX

TURCK

P29008-M*

P29008-M1

P29008-M2

P29008-M3

P29008-M5

P29008-M10

280-PWRM24A-M*

280-PWRM24A-M010

280-PWRM24A-M020

280-PWRM24A-M030

280-PWRM24A-M050

280-PWRM24A-M100

114030A46M*

114030A46M010

114030A46M020

114030A46M030

114030A46M050

114030A46M100

RSMRKM44-*M

RSMRKM44-010M

RSMRKM44-020M

RSMRKM44-030M

RSMRKM44-050M

RSMRKM44-100M

1) MATERIALS:

COUPLING NUT: MACHINED ALUMINUM, ANODIZED

INSULATION INSERT: THERMOPLASTIC, UL 94/V-0

CONTACT: GOLD FLASH PLATING OVER COPPER ALLOY

OVERMOLD MATERIAL: THERMOPLASTIC COLOR: BLACK

CABLE RATING: UL LISTED DUAL RATED TC-ER/STOOW, CSA TYPE STOOW, FT4 FLAME RATING, 600V, 90°C DRY & 75°C WET (TC-ER), 105°C (STOOW)

CABLE JACKET MATERIAL: PVC COLOR: BLACK

CONDUCTOR INSULATION: PVC

NUMBER OF CONDUCTORS: (4) 14AWG

2) ELECTRICAL DATA:

CURRENT (MAX): 15A

VOLTAGE (MAX): 600V AC/DC

INSULATION RESISTANCE (MIN): 5000M OHMS

DIELECTRIC TEST VOLTAGE: 2200V

3) MECHANICAL DATA:

TEMPERATURE RANGE: -40°C TO 90°C

PROTECTION: IP67 (MATED CONDITION)

MATING CYCLES: >500

VIBRATION RESISTANCE PER MIL-STD-202 METHOD 204

THERMAL SHOCK PER MIL-STD-202 METHOD 207

48 HOUR SALT SPRAY PER MIL-STD-202 METHOD 101

4) RoHS COMPLIANT

5) UL 2237 LISTED ASSEMBLY

UL FILE NUMBERS: E339703

TOLERANCE

0-2.99 M = +100.0/-25.0mm

0-9.99 FT = +4" / -1"

3-8.99 M = +150.0/-25.0mm

10.00-29.99 FT = +6" / -1"

9-14.99 M = +300.0/-25.0mm

30.00-49.99 FT = +12" / -1"

15-OVER M = +450.0/-25.0mm

50 FT-OVER = +18" / -1"

PART NUMBER

DESCRIPTION

ITEM

QUANTITY

MATERIALS LIST

UNLESS OTHERWISE SPECIFIED

1) All dimensions are in metric(mm).

2) Tolerances are as follows:

1 PL DEC ±0.30 | Fractions ±1/64

2 PL DEC ±0.15 | Angles ±1°

3 PL DEC ±0.08

3) Note reference =

SIGNATURES

DATE

DRAWN: KMM 12-MAY-14

CHECKED: MRF 12-MAY-14

ENGINEER: KMM

APPROVAL: RFC 12-MAY-14

CUSTOMER:

MATERIAL SPECIFICATIONS:

PROCESS SPECIFICATIONS:

NEXT ASSY:

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Amphenol

Sine Systems - www.amphenol-sine.com

44724 Morley Drive

Clinton Township, MI 48036

M22 POWERBOSS LITE, 4 PIN, M/F, 14 AWG, TC-ER/STOOW, PVC JACKET

SIZE

TYPE

DWG NO.

REVISION

C-

P29008-Mxxx

A1

SCALE

FULL

C-P29008

SHEET 1 OF 1

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