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PART NUMBER

S *

MNR-15S6E5-18.0L /01

SECTION 1.1

SECTION 1.2

SECTION 1.3

SECTION 1.4

SECTION 1.5

SECTION 1.6

SECTION 1.11

SECTION 1.10

SECTION 1.9

SECTION 1.8

SECTION 1.7

1.1 - Series

M Series

1.2 - Shell Finish

A = Alodine

B = Black Anodize

C = Cadmium

G = Gold

N = Electroless Nickel

1.3 - Insulator Material

E = Polyester

R = Polyphenylene Sulfide

1.4 - Contact Arrangements

9, 15, 21, 25, 31, 37, 51, 60, 100

1.5 - Contact Type/Gender

P = Pin (plug)

S = Socket (receptacle)

1.6 - Wire Size

4 = 24 AWG

5 = 25 AWG (solid wire only)

6 = 26 AWG

8 = 28 AWG

0 = 30 AWG

(4) S = Solder cup (*)

* S = Solder cup (26 AWG max) (socket only)

1.7 - Wire Type

C = Solid Copper

E = 7 Strand type 'E' NEMA HP3 (was MIL-W-16878/4 Type 'E')

F = 7 Strand type 'ET' NEMA HP3 (was MIL-W-16878/4 Type 'ET')

G = 19 Strand type 'E' NEMA HP3 (was MIL-W-16878/4 Type 'E')

H = 19 Strand type 'ET' NEMA HP3 (was MIL-W-16878/4 Type 'ET')

K = 19 Strand M22759/33 (26 AWG only)

M = 19 Strand M22759/11 (24 & 26 AWG only)

N = 19 Strand M22759/19 (26 AWG only)

1.8 - Wire Color/Finish

1 = All white

2 = All yellow

3 = Tin plated

4 = Gold plated

5 = Color coded per MIL-STD-681 System 1 (all except 60 & 100 layouts)

6 = 15-color repeating color code

7 = 10-color repeating color code

1.9 - Lead Length (min)

Stranded wire: from 6.0" to 144.0" in 6.0" increments

Solid wire: from 0.5" to 3.0" in 0.5" increments

REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
	1	RELEASE	8/6/10	WC
	2	ADDED /07 FACTORY CODE	3/10/14	WC
	3	SECTION 1.7 - WIRE TYPE ADDED 24 AWG AS OPTION FOR 'M' WIRE	4/3/18	WC
	4	ADDED SOLDER CUP OPTION TO PART NUMBER BUILDER	7/17/19	WC
	5	SECTION 1.10 - HARDWARE ADDED M06 HARDWARE	2/26/20	WC
	6	SECTION 1.11 - FACTORY MOD CODES ADDED MCR TO CODES /01 & /06	7/14/21	WC

1.10 - Hardware (blank) = no hardware

Commercial (#2-56 for sizes 9-60; #4-40 for size 100):

F = Float mount

H = Hex drive (low profile)

J = Slotted drive (tall profile)

L = Slotted drive (low profile)

P = Jackpost (unassembled)

Military:

M02 = Hex drive, low profile (size 9-60 only)

M03 = Hex drive, tall profile (size 9-60 only)

M05 = Slotted drive, low profile (size 9-60 only)

M06 = Slotted drive, tall profile (size 9-60 only)

M07 = Jackpost, unassembled (size 9-60 only)

M12 = Hex drive, low profile (size 100 only)

M13 = Hex drive, tall profile (size 100 only)

M15 = Slotted drive, low profile (size 100 only)

M16 = Slotted drive, tall profile (size 100 only)

M17 = Jackpost, unassembled (size 100 only)

1.11 - Factory Modification Codes

/01 = High temperature (200° C) (MNR, MCR & MBR connectors only)

/02 = Termination leads coated with Sn60 (solid wire 0.5" max. length)

/04 = Testing to M83513 Groups A & B

/05 = Testing to M83513 Group A only

/06 = High temperature (200° C) with enhanced sealing properties
for high humidity applications (MNR, MCR & MBR connectors only)/07 = s/a /06 except no nickel underplating for non-magnetic
applications (MBE & MBR connectors only)

PART NUMBER	CUSTOMER APPROVAL		
SEE ABOVE	SIGNED:	DATE:	
INTENDED USE CUSTOMER			17312 EASTMAN IRVINE, CA 92614
REFERENCE	DWG TITLE		'M' SERIES METAL SHELL PART NUMBER BUILDUP
SIGNATURES	DATE		
DRAWN CHARETTE	8/6/10		
CHECKED		SIZE	FSCM NO.
		B	54455
APPROVED		DWG NO.	
		00-016-0000	
SCALE	NONE	REV	6
			1 of 2

