



MODEL	COLOR	CERT. MARKING
203MVL-A	AMBER	SAE W3-2 19 /
203MVL-B	BLUE	SAE W3-3 19 /
203MVL-R	RED	

REV.	ECR	DESCRIPTION	DATE
-	16752	INITIAL DRAWING REQUEST	08/28/19
A	16957	UPDATED SAE APPROVALS CHART	11/27/19
B	17962	ADDED UL APPROVAL UL583	5/10/2021

**SPECIFICATIONS:**

OPERATING RANGE: 10-110 VDC  
 NOMINAL VOLTAGE: 12/24/36/48/72 VDC  
 TYPICAL CURRENT DRAW: 0.1A AVG, 0.4A PEAK @ 12.8V  
 OPERATING TEMPERATURE RANGE: -40F (-40C) TO 131F (55C)

**CONNECTIONS:**

22 GAGE RED WIRE 10" (254mm) LONG + POWER  
 22 GAGE BLACK WIRE 10" (254mm) LONG - GROUND  
 22 GAGE GREEN WIRE 10" (254mm) LONG - PATTERN SELECT

**INSTALLATION:**

3 HOLE FLANGE MOUNTING 4.63 B.C.

**MOUNTING HARDWARE:**

# 10-32 X 1" PHILLIPS PAN MS STAINLESS STEEL  
 # 10 INT TOOTH LOCK S/S 410 WASHER  
 # 10-32 MS HEX SCR NUT STAINLESS STEEL  
 BUTT SPLICE #18-22 AWG  
 RUBBER WIRE GROMMET

**MATERIALS:**

OUTER DOME: POLYCARBONATE  
 BASE: POLYCARBONATE / ABS BLEND  
 MOUNTING GASKET: EPDM CLOSED CELL RUBBER

**CERTIFICATIONS:**

SAE J845 / UL583-YCFTZ.AUG526  
 SEE CHART

**PRODUCT LABEL:**

WHITE POLYESTER STOCK 3" X .375"  
 BLACK PRINT

**INDIVIDUAL PACKAGING:** APPROXIMATELY 0.3Kg(0.7 lbs.)

INDIVIDUAL WHITE BOXES  
 MODEL INFORMATION PRINTED ON LABEL  
 MODEL BAR CODE PRINTED ON LABEL

**MASTER PACKAGING:** APPROXIMATELY 5.9Kg(13 lbs.)

18 PER MASTER CARTON

**INSTRUCTION SHEET:**

1 PROVIDED

**UNLESS OTHERWISE SPECIFIED**

DIMENSIONS ARE IN INCHES

TOLERANCES:  
 ANGULAR: ± 2 DEG.  
 .X ± .100  
 .XX ± .020  
 .XXX ± .005  
 .XXXX ± .001

RoHS COMPLIANT: Yes

DRAWN BY: MD

**DRAWING APPROVED BY ECR**

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MATERIAL:

N/A

FINISH:

N/A

**STAR HEADLIGHT & LANTERN CO., INC.**

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MODEL: 203MVL-\* FORMAL REV:001

TITLE:  
**ASSEMBLY**

DWG. NO.

203MVL REV 001

REV

B

SCALE: 1:2

DO NOT SCALE FROM DRAWING

SHEET 1 OF 1