

Features

- AC/DC conversion
- Constant current design
- Active PFC
- Universal AC input
- Protections: short circuit / over current / over voltage, over temp
- Cooling by free convection
- IP65 level
- Surge immunity 4kV/10kV

RS PRO LED Drivers

RS Stock No.: 0122232



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

Popular applications:

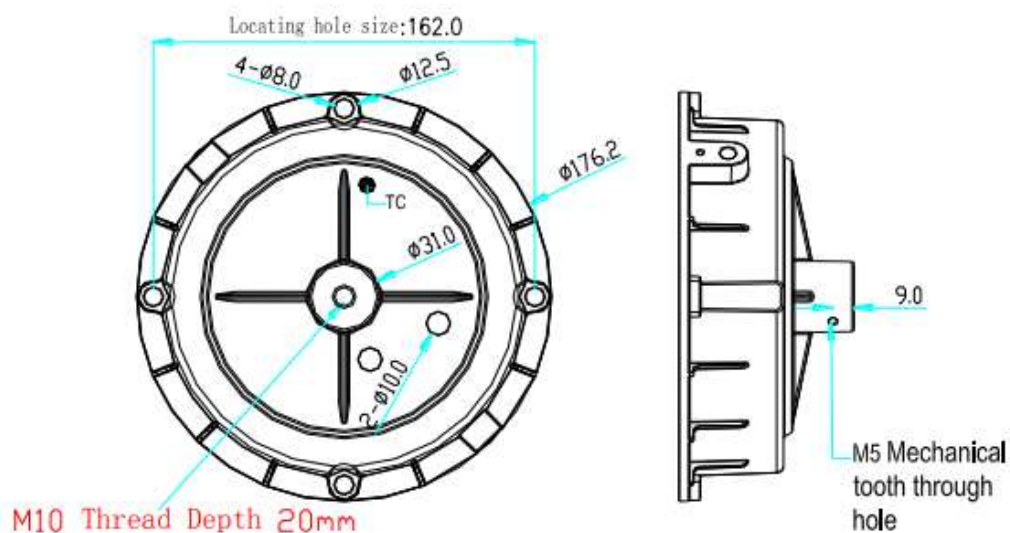
- Highbays
- LED Lamps

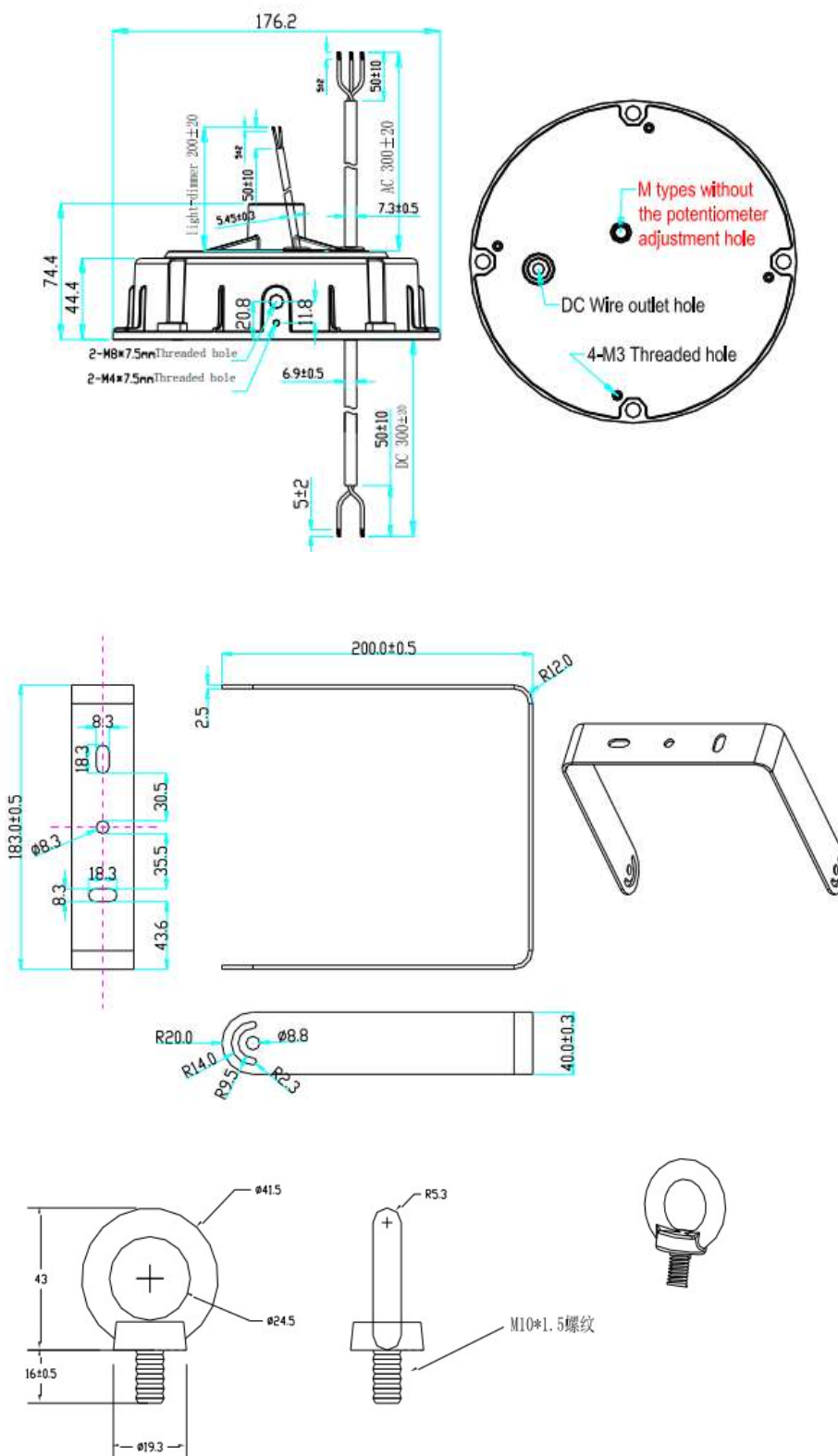
General Specifications

Working temperature	-40°C ÷ 70°C (refer to derating Curve)
Working humidity	10 ÷ 95% RH non-condensing
Storage temp. and humidity	-40°C ÷ 80°C, 5-100% RH non-condensing

Mechanical Specifications

Dimensions	Ø176,2mm x 74,4mm
Weight	1,7kg/pcs
Input wire	H05RN-F 3x1.0mm ² OD=7.3mm L=300±20mm
Output wire	H05RN-F 2x1.0mm ² OD=7.0mm L=300±20mm





Electrical Specifications

OUTPUT	
	0122232
Voltage range	40÷68V
No-load voltage	80V (max)
Constant power current range	3,55÷4,2A
Current range	2,5÷4,2A
Default output	40÷57V/4,2A
Output current control	By potentiometer
Rated power	240W
Line regulation	+/- 1%
Load regulation	+/- 3%
Ripple & noise (max)	+/- 5% (i=Output current)
Setup, reise time	0,5s/230Vac
INPUT	
Voltage range	90 ÷ 305Vac;
Frequency range	47 ÷ 63Hz
Efficiency (typ.)	92%
AC current (max.)	3,3A
Power factor	PF>0,97 (230V/full load)
Inrush current (typ.)	75A
Leakage current (max.)	0,7mA

Protection Category

Over voltage protection	Decreases output current, returning to normal after over temperature is removed
Over temperature	Decreases output current, returning to normal after over temperature is removed
Short circuit	Run into protection model when output voltage exceeds limit, and return to normal when the fault.

Approvals

Safety standards	Compliance to EN61327-1, EN61347-2-13, EN62493, IP65
Isolation resistance	I-P/O-P/O-IG: 50MΩ 500Vdc//60s/25°C/70%RH
EMC emission	Compliance to EN55015
EMC immunity	Compliance to EN61547
Harmonic current	Compliance to EN61000-3-3; EN61000-3-2, EN61000-4-2,3,4,5,6,11

Diagrams

