

RRJL_24RGB_SMD

14.07.2022

Pilot light with SMDflat connecting terminal



General Data

Type reference	RRJL_24RGB_SMD
Description	RGB pilot light
Approvals	CE, UKCA
Degree of protection	IP65
Connection type	connection type: plug-in connection, 2x 2 poles wire cross-section min. 0.20 mm ² wire cross-section max. 0.75 mm ²
Max. storage temperature	-40°C ... 85°C
Max. operating temperature	-30°C ... 65°C

Additional data

Operational voltage	24 V DC
Rated current	max. 50 mA
Insulation voltage	500 V
Pollution degree	2
Overvoltage category	II
Mounting aperture	22.3 mm
Colour	RGB

General data

Tightening torque (mounting nut)	0.8 ... 1.5 Nm
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Note

Connecting terminal: SMDflat 345/ 2 WS
 Wire type rigid: yes
 Wire type flexible: yes
 Wire type stranded: yes
 Stripping length: 8.0 - 9.0 mm
 Contact material: spring steel, copper

Description:
 Pilot light with SMD RGB LED
 24 V DC / max. 50 mA

Connection G: anode LED green +24V DC
 Connection R: anode LED red +24V DC
 Connection B: anode LED blue +24V DC
 Connection C: common cathode 0V



internal with diode for protection against polarity reversal
Information:

RGB colours are made up of three primary colours: red, green and blue. By controlling the three channels using PWM, up to 16.7 million colours can be displayed.

If PWM control is not possible, the following colours are possible by switching on and off at the same time, see truth table below:

Red	Green	Blue	Mixed colour
off	off	off	-
off	off	on	blue
off	on	off	green
off	on	on	cyan
on	off	off	red
on	on	off	magenta
on	on	on	yellow
on	on	on	white (similar)

- optional tool for SMD flat clamp LWKZ1

