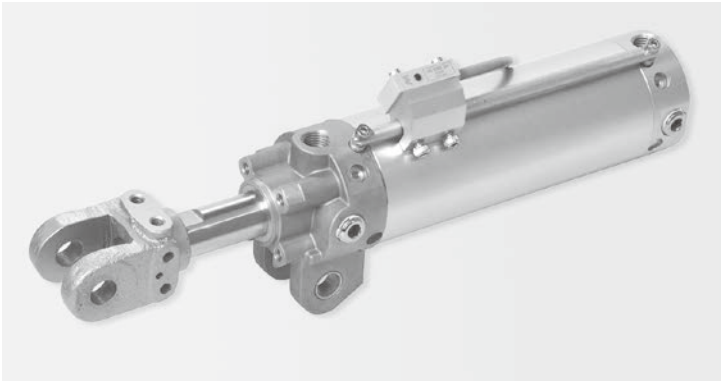
RDKP series

SENSOR SWITCH



Application environment

- **RDKP** can be applied in the strong magnetic field environment such as automotive manufacturing or areas near welding machine.
- When **RDKP** detects the magnetic AC field (50 or 60Hz) it will keep the status of output and will not be effected.

Order example

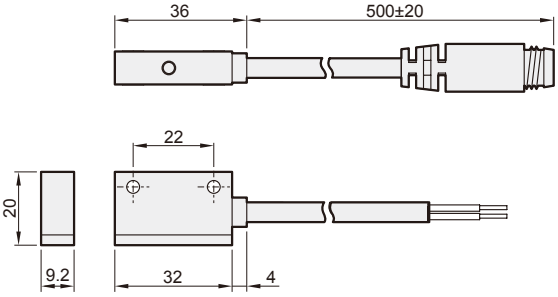
RDKP — □

MODEL

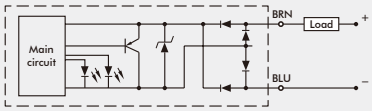
WIRE LENGTH

Blank: 3000mm
QD: M12 4PIN connector

Dimension



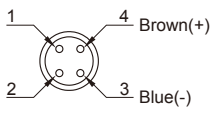
Specification

Model	RDKP
Wiring method	2 wire
Switching logic	Solid state output, normally open
Switch type	Current sourcing
Operating voltage	10~28V DC
Switching current	5~50mA max.
Switching rating (*1)	1.5W max.
Current consumption	—
Voltage drop	5V max.
Leakage current	1mA max.
Indicator	Unstable: Red LED ; Stable: Green LED
Cable	ø5.4, 2C, PVC
Temperature range	-10°C~+60°C (No freezing)
Shock (*2)	30G
Vibration (*3)	9G
Enclosure classification	IEC 60529 IP67
Protection circuit (*4)	3 , 4
Weight	120 g (3m cable)
Connect diagram	

*1. Warning: Never exceed rating (watt=voltage×amperage). Permanent damage to sensor will occur.
*2. Sin wave / X.Y.Z. 3 directions / 3 times each direction / 11ms each time.
*3. Double amplitude 1.5mm / 10Hz~55Hz~10Hz(Sweep 1min) / X.Y.Z. 3 directions / 1 hour each time.
*4. 1=None / 2=Short-circuit / 3=Power source reverse polarity / 4=Surge suppression
*5. Caution for safety please refer to page 8-8~9.

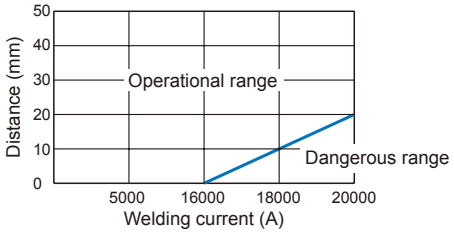
Wiring of the QD

- 2 wire



Weld-field immune

The operational distance can be 0mm between sensor and welding gun (welding conductor or cable) when the welding current less than 16000A.



Assembling style

Cylinder type	MCKG*
Mounting clamp