



RF-HY18RRA-IOL



The RF-HY18RRA-IOL product is a high-frequency integrated industrial-grade RFID read/write head that supports IO-LINK communication. It is fixed with 2 M30 nuts, which is suitable for automatic identification of precision manufacturing links with high size requirements.

■ Product Specifications

Specifications	Model	RF-HY18RRA-IOL
	Reading distance	0~30mm (Related to the data carrier)
	Communication Interface	IO-LINK
	Communication Protocol	V1.1
	Baud-rate	COM3 (230.4 Kbps)
	Voltage	9~30VDC
	Average current	<0.07A@24VDC
	Indicator light	1 LED indicator
Physical parameters	Dimensions	M18×41×75mm
	Product Interface	M12 Acode 4PIN Male connector
	Fixed type	Nut fixed, screw M18*1.0
	Shell material	nickel plated brass
	Shell color	Silver + Black
RF parameters	Wireless protocol	ISO 15693
	Working frequency	13.56MHz
	Output power	27.5dBm
	Wireless Baud-rate	26.48K bit/s
Application	Operating	-25 °C ~ +70 °C



Environment	temperature	
	Storage temperature	-40°C ~ +85°C
	Humidity	5% ~ 95%RH (no condensation)
	IP degree of protection	IP67, EN60529
	Anti-vibration	2 mm (f= 5...29.5 Hz) , EN 60068-2-6 7 gn (f= 29.5...150 Hz), EN 60068-2-6
	RF Field Conducted Immunity Test CS	3V, over Class A (including main frequency) 10V, over Class A (except main frequency)
	Electrostatic Discharge Immunity ESD	Contact discharge, 8 KV, over Class A Air discharge, 15 KV, passed Class A IEC 61000-4-2
Certification and Declaration	CE	ETSI EN 301 489-3, ETSI EN 300 330-1 ETSI EN 301 489-1, ETSI EN 300 330-2
	FCC	FCC PART 15C
	RoHS Directive	2011/65/EU, 2015/863/EU

■ Dimensions

