

INFRARED COMMUNICATION SOLUTIONS

Nozzle Receiver Specification

The nozzle receiver is an Infrared signal receiver per J2799 standard. Its output is RS 485 signal.

Specification description	Value	Unit	Remarks
Signal input			
Format	J2799 standard		
Sensitivity level	0.57-0.60	A/W	
Bandwidth	870-950	nm	
Power input			
Voltage (typ)	5	V	
Voltage (min)	3.7	V	
Current (typ)	20	mA	
Current (max)	30	mA	
Absolute maximum			
Power voltage in	16	V	
Data voltage in	0 – 5.5	V	
Signal output			
Format	RS485		
Voltage different level	0-6	V	
Safety parameters	Voltage (Ui) 8.0 V, Power (Pi) 0.5 W, Current (Ii) 200 mA, Capacitance (Ci) 6.6 µF, Inductance (Li) 0 mH		
Form factor	Ring		
Inner diameter	32	mm	
Outer diameter	66	mm	
Height	42	mm	Height for 200568 is 17.25mm.
Weight	170	g	Weight for 200568 is 80g.
Housing material	Delrin ,POM, aluminum		
Operation temperature	-40 to 85 °C		
Ingress protection	IP66		
Certification	ATEX, NEC, TIIS, KTL, CCC		
Output connector type	Mizu or Escha, Wire length if any vary from 200mm to 500mm		See user manual for details

Ordering information for most configurations

200033	Nozzle receiver-WEH housing ATEX	200548	Nozzle receiver-WEH housing KTL
200306	Nozzle receiver-WEH housing TIIS	200568	Nozzle receiver WEH compact exchangeable, Multiple certifications, ATEX, NEC, C1D2, TIIS, CCC
200314	Nozzle receiver-WEH housing Class 1, Div 2	200795	Nozzle receiver-WEH exchangeable TIIS
200325	Nozzle receiver WEH exchangeable, ATEX		
200327	Nozzle receiver WEH exchangeable, Class 1 Div 2		
200547	Nozzle receiver WEH exchangeable KTL		

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All specifications subject to change without notice.