

# INFRARED COMMUNICATION SOLUTIONS

## Protocol Converter Specification

The protocol converter provides safety barrier protection for the nozzle receiver. It provides power and converts the nozzle receiver signal to either RS232 or Profibus output

SPECIFICATION DESCRIPTION	VALUE	UNIT	REMARKS
<b>Signal input</b>			
Format	RS485		
Sensitivity level	+/- 200	mV	
Baud rate	38.4	kps	
<b>Power input</b>			
Voltage (typ)	24	V	
Voltage (min)	22	V	
Current (typ)	120	mA	
Current (max)	200	mA	
<b>Absolute maximum</b>			
Power voltage in	45	V	
Data voltage in	+/- 5	V	
<b>Signal output-RS232</b>			
Format	RS232		
Voltage different level	0-6	V	
<b>Signal output-Profibus</b>			
Format	Profibus		
Voltage different level	4-7	V	
<b>Form factor</b>	Rectangular		
Length	35, 25	Cm	200338 is 25Cm long
Width	20	Cm	
height	11	Cm	
Weight	2.7; 1.7	Kg	200338 is 1.7Kg
Housing material	Aluminum		
Operation temperature	-15 to 55	C	
Ingress protection	IP31		
Certification	ATEX, NEC, TIIS		
<b>Output connector type- RS232</b>	DB9F		
<b>Pin out</b>	2	RS-232 RD	
	3	RS-232 TD	
	5	RS-232 Sig GND	
<b>Output connector type- Profibus</b>	DB9F		

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Pin out	8 3 4 9	Profibus Data – Profibus Data + Profibus Control + Profibus Control –	
Input connector type- RS485	Molex Microfit (F), Mizu (F)		200338 is Mizu
Pin Out	3 4 1 2	PWR GND DATA + DATA -	

ORDERING INFORMATION	
200070	Profibus protocol converter with safety barrier – ATEX
200071	RS232 protocol converter with safety barrier – ATEX
200072	Profibus protocol converter with safety barrier -NEC
200073	RS232 protocol converter with safety barrier -NEC
200338	RS 232 protocol converter with safety barrier-TIIS

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All specifications subject to change without notice.