

# INFRARED COMMUNICATION SOLUTIONS

## Protocol Converter Gen 2 Specification

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

SPECIFICATION DESCRIPTION	VALUE	UNIT	REMARKS
Signal input			
Format	RS485		
Sensitivity level	+/- 200	mV	
Baud rate	38.4	kps	
Power input			
Voltage (typ)	24	V	
Voltage (min)	22	V	
Current (typ)	130	mA	Profinet is highest
Current (max)	200	mA	
Absolute maximum			
Power voltage in	45	V	
Data voltage in	+/- 5	V	
Signal output-RS232			
Format	RS232		
Voltage different level	0-6	V	
Signal output-Profibus			
Format	Profibus, Profinet		
Voltage different level	4-7	V	
Safety parameters	(Uo) 7.6 V, (Io) 200 mA, (Po) 0.380 W, (Co) 10.4 µF, (Lo) 0.89 mH, (Um) DC 24 V,		
Form factor	Rectangular		
Length	21	Cm	
Width	19	Cm	
height	5	Cm	
Weight	1.1	Kg	
Housing material	Aluminum		
Operation temperature	-10 to 50	C	
Ingress protection	IP20		
Mounting	DIN		
Certification	ATEX, NEC, KTL, TIIS,CCC; [Ex ib] IIC Gb		
Output connector type- RS232	DB9F		
RS232 Pin out	2	RS-232 RD	
	5	RS-232 Sig GND	
Output connector type- Profibus	DB9F		

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Profibus Pin out	3 8 6 5	Profibus Data – Profibus Data + +5V power +5V Gnd	
Output connector type- Profinet	RJ45		
Profinet Pin out	1 2 7 8	TD+ TD- RD+ RD-	
Output connector type- USB	USB type B		
Input connector type- RS485	Terminal block		
Input Connector Pins	1 4 2 3	PWR GND DATA + DATA -	

ORDERING INFORMATION	
200526	Protocol converter Gen 2 RS232-ATEX
200527	Protocol converter Gen 2 Profibus-ATEX
200577	Protocol converter Gen 2 Profinet-ATEX
200632	Protocol converter Gen 2 RS232 -NEC
200633	Protocol converter Gen 2 Profibus -NEC
200634	Protocol converter Gen 2 Profinet -NEC
200658	Protocol converter Gen 2 RS232 –KTL
200659	Protocol converter Gen 2 Profibus –KTL
200660	Protocol converter Gen 2 Profinet -KTL
200688	Protocol converter Gen 2 RS232 –TIIS
200689	Protocol converter Gen 2 Profibus –TIIS
200690	Protocol converter Gen 2 Profinet -TIIS
200807	Protocol converter Gen 2 RS232 –CCC
200808	Protocol converter Gen 2 Profibus –CCC
200809	Protocol converter Gen 2 Profinet -CCC

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All specifications subject to change without notice.