

## CHARACTERISTICS

	HZRE31	HZRE32	HZRE33
Ambient temperature	0 ÷ 50 °C		
Fluid	filtered compressed air 5 µm, inert gas, with or without lubrication		
Adjusting range	0÷1 bar 0÷5 bar 0÷9 bar		
Max pressure	10 bar (2 bar adjusting range 0 ÷ 1 bar)		
Min pressure	controlled pressure +1 bar		
Connections	G1/8	G1/4	G1/2
Pressure gauge connection	G1/8		
Nominal flow rate (NI/min)	300	1500	5000
Sensitivity	≤ ± 0,5% F.S.		
Linearity	≤ 1% F.S.		
Repeatability	≤ ± 0,5% F.S.		
Hysteresis	≤ 0,5% F.S.		
Weight	370 g	420 g	770 g

F.S. Full-span



## CODIFICATION KEY

H	Z	R	E	3	2	0	8	G	C	B	B
1		2		3		4		5		6	

1 Series	2 Type	3 Thread	4 Adjusting range
HZRE = Electropneumatic proportional miniregulator	31 = Size 1 32 = Size 2 33 = Size 3	06G = G1/8 (size 1) 08G = G1/4 (size 2) 15G = G1/2 (size 3)	A = 0 ÷ 1 bar B = 0 ÷ 5 bar C = 0 ÷ 9 bar

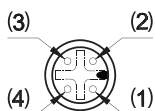
5 Input signal	6 Output signal
A = 4 ÷ 20 mA (0 ÷ 20 mA) B = 0 ÷ 10 V DC (0 ÷ 5 V DC) C = Preset 4 input <sup>(b)</sup>	A = 4 ÷ 20 mA B = 1 ÷ 5 V DC C = 24 V DC PNP D = 24 V DC NPN

(b) = Not available with output signal  
Support and connector not included

## ELECTRICAL CHARACTERISTICS

Voltage	24 V DC ± 10%		
Power consumption	< 6 W		
Protection degree	IP65		
Connections	M12A male connector 4 poles		
Input signal	Current	4 ÷ 20 mA 0 ÷ 20 mA	
	Voltage	0 ÷ 10 V DC 0 ÷ 5 V DC	
	Preset	4 input	
Output signal	Analog	4 ÷ 20 mA/1 ÷ 5 V DC	
	Digital	24 V DC PNP/NPN	

## M12A connector electrical connections



Pin No.	Cable	Analog signal	Preset 4 input
1	Red/Brown	+24 V DC	+ 24 V DC
2	White	input signal	input 1
3	Blue	0V	0V
4	Black	output signal	input 2

HZRE30300



Horizontal bracket

HZRE30310



Wall bracket

HZREM12L03D



M12 in-line connector  
3 m cable

HZREM12L03L



M12 90° connector  
3 m cable