

## CHARACTERISTICS

Ambient temperature		0 ÷ 50 °C
Fluid		filtered air, inert gases non-corrosive non-flammable
Working pressure		0 ÷ 10 bar
Pressure range		-1 ÷ 10 bar
Max. pressure		15 bar
Set pressure resolution	MPa	0,001
	kgf/cm <sup>2</sup>	0,01
	bar	0,01
	psi	0,1
Hysteresis		adjustable <sup>(A)</sup>
Weight		about 80g (with 2 meters lead wire), about 45g (with M8 connector)

HZ9NP4004: 2m cable version

HZ9NP4004M8: M8 connection version including 2 meter extension cable

(A) = Hysteresis value is adjustable within 1 ÷ 8 digits for one point set mode and window comparator mode



## ELECTRICAL CHARACTERISTICS

Power supply voltage		12 ÷ 24V DC ± 10%, ripple max ≤ 10%
Current consumption		≤ 40mA (with no load)
Switch output	PNP/NPN	open collector 1 output
	Max. load current	125 mA
	Max. supply voltage	24 V DC
	Residual voltage	≤ 1,5 V
Repeatability (switch output)		≤ ± 0,2% F.S. ± 1 digit
Response time		≤ 2,5 ms (chattering-proof function: 25ms, 100 ms, 250 ms, 500 ms, 1000 ms, 1500 ms selectable)
Output short circuit protection		yes
7 segment LCD display		main display digit 3 <sup>1/2</sup> two colors (red/green) secondary display digit 3 <sup>1/2</sup> orange (sampling rate: 5 volte/sec.)
Indicator accuracy		≤ ± 2% F.S. ± 1 digit (ambient temperature: 25 ± 3°C)
Switch ON indicator		orange output 1 and 2
Environment	Enclosure	IP40
	Storage temperature	-10 ÷ 60°C (no condensation or freezing)
	Humidity	35 ÷ 85% relative humidity (no condensation)
	Withstand voltage	1000 V AC in 1-min between case and lead wire
	Insulation resistance	≥ 50 MΩ (a 500 V DC, between case and lead wire)
	Vibration	total amplitude 1,5 mm o 10G, 10Hz ÷ 150Hz, 10Hz for 1 minute, 2 hours direction X,Y and Z
Shock		100m/s <sup>2</sup> (10G), 3 times direction X,Y and Z
Temperature characteristic		± 2% F.S. of detected pressure (25°C) at temperature range of 0-50°C
Lead wire		Oil-resistance cable (0,15 mm <sup>2</sup> )

### HZ9N0M

### HZ9N1M

### DHF...M08



Adapter  
Size 0-05-3

Supplied with screws:  
M3x12 size 0-05  
M2,5x12 size 3



Adapter  
Size 1-2

Supplied with screws:  
M3x20



In-line M08 connection 3m cable  
DHF-033M08

In-line M08 connection 5m cable  
DHF-053M08