



**PN7004**

Power-on delay time [s]	0.3
Switching frequency [Hz]	≤ 170
Delay time programmable dS, dr [s]	0; 0.2...50
Ambient temperature [°C]	-25...80 (UB < 32 V) / -25...60 (UB > 32 V)
Medium temperature [°C]	-25...80
Storage temperature [°C]	-40...100
Protection	IP 65, III
Insulation resistance [MΩ]	> 100 (500 V DC)
Shock resistance	DIN IEC 68-2-27:50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6:20 g (10...2000 Hz)
Switching cycles min.	100 million
EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5/1 kV EN 61000-4-6 HF conducted: 10 V
Housing materials	stainless steel (304S15); stainless steel 316L / 1.4404; PC (Makrolon); PBT (Pocan); PEI; FPM (Viton); EPDM/X (Santoprene); PTFE
Materials (wetted parts)	stainless steel (303S22); ceramics; FPM (Viton)
Display	Display unit 3 x LED green Switching status 2 x LED yellow Function display 4-digit alphanumeric display Measured values 4-digit alphanumeric display
Connection	M12 connector; gold-plated contacts
Weight [kg]	0.256
Remarks	1) to EN50178, SELV, PELV The device shall be supplied from an isolating source and protected by an overcurrent device such that the limited voltage circuit requirements in accordance with UL 508 are met. *) BFSL = Best Fit Straight Line / LS = Limit Value Setting **) with temperature fluctuations < 10 K ***) in% of the span / 6 months

**Wiring**

Programming of the output function

-----OUT1-----

Hno = hysteresis / normally open  
Hnc = hysteresis / normally closed  
Fno = window function / normally open  
Fnc = window function / normally closed

-----OUT2-----

Hno = hysteresis / normally open  
Hnc = hysteresis / normally closed  
Fno = window function / normally open  
Fnc = window function / normally closed  
dESI = diagnostic function (normally closed)

