

Type:	EPN-110DN <i>uni-line</i> electronic potentiometers
	For 35mm DIN rail or base mounting

### Technical specifications

* Relay input:	Potential-free relay contacts open contact: 15V DC closed contact: 4mA
Analog output:	
* Output signal:	0...±1V DC (dip switch set to "x1") or 0...±5V DC (dip switch set to "x5")
output resistance:	0...500Ω potentiometer
* Integrating time:	(0...75s (dip switch set to "x1") or 250s (dip switch set to "x10"))
* Offset adjustment:	-25...0...25% of output
Ripple:	Max. 5mV RMS
Resolution:	5mV DC (12-bit D/A converter)
Relay outputs:	2 contacts
* contact type:	Relays B + C: normally de-energised ("ND") 3 contacts (3 pole change-overs)
* relay contacts:	1 change-over switch per relay
contact ratings:	250V-8A-2000VA (AC) 24V-8A-200W (DC) (200 x 10 <sup>3</sup> change-overs at resistive load)
contact voltage:	Max. 250V (AC). Max. 150V (DC)
Temperature drift:	Set points: max. ±0.2% of full scale per 10°C
* Supply voltage (U <sub>n</sub> ):	57.7-63.5-100-110-127-200-220-230-240-380-400-415-440-450-660-690V AC ±20% (max. 3.5VA) 24-48-110-220V DC -25/+30% (max. 2W)

### Type test specifications

Type test specifications	Tested according to:	
Insulation:	500V DC, >100MΩ	DNV, GL and LR
Vibration:	2...13.2Hz: 3 mm 13:2...100Hz: 1.0 g	IEC 60068-2-6 & IACS E10
Shock:	50 g, 11msec, half sine (in 3 directions)	IEC 60068-2-27, test: Ea
Climate:	97% RH	IEC 60068-2-30, test Db
Protection:	Case: IP40 Terminals: IP20	IEC/EN 60529
Temperature:	-10...55°C (nominal) -25...70°C (operating) -40...70°C (storage)	IEC 60068-2-1 IEC 60068-2-2
Test voltage:	3250V/2200V-50Hz-1 min between inputs and outputs	IEC/EN 61010-1 CAT III 600V Poll. degree 2
EMC:	Immunity	EN 61000-6-1/2 IEC 60255-26
	Emission	EN 61000-6-3/4 IEC 60255-26

\*) Tested on all units according to specifications.  
Remaining specifications are tested regularly by test sampling.



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