



# DEIF A/S

# Type certificate

4124030064A

Type:	EPQ96-2 Electronic Potentiometer
-------	-------------------------------------

**Technical specifications**

* Supply voltage	12...24VDC -25%/+30%
Accuracy of setpoint setting:	±20% of potentiometer full scale
* Output contact auto/man & status:	Max load 30Vac/30VDC and 50mA
* Output voltage	0...±10V DC Output impedance 500 Ω
Output current	0...±20mA DC R load max 500 Ω
Resolution settings	10bit
Ripple	2,5mV RMS or 5µA RMS
Resolution	2,5mV or 5µA RMS (13bit)
Integrating time (2 ranges)	2,5...25s or 12,5...125s (linear ramp time from -10V to 10V or -20mA to 20mA. The slope is independent of the adjusted span; e.g. 0...5V, the integrating time is adjusted to 20s with a span of 0...10V, if the span is readjusted to e.g. 0...5V, the integrating time from 0...5V will now be 10s)
Accuracy reproduction	±0,5%
Response time	< 0,1
* PVM output	Low level 0...0.05V; High level 5,7...6V; 500Hz ± 50Hz

**Type test specifications**

Tested according to:

Temperature:	-25...70°C (operating) -40...70°C(storage)	IEC 60068-2-1 IEC 60068-2-2
Climate:	97% RH	IEC 60068-2-30
Safety:	Installation Cat.III 300V Pollution degree 2	EN 61010-1 tested at 50Hz, 1 min Each galvanic group tested to other Galvanic groups and to protection Eath.
Vibration	3...13,2Hz: 2mm <sub>pp</sub> 13.2...100Hz: 0,7g	IEC 60068-2-6 & IACS UR E10
Shock:	Base mounted 50g, 11msec. half sine	IEC 60068-2-27 Test Ea
EMC:		EN 61000-6-1/2/3/4 IEC 60255-4 (Class 3)
Materials:	All plastic parts are self-extinguishing to UL94 (V0)	
Protection:	Unit: IP20 Front: IP52	IEC/EN 60529

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



DEIF A/S  
Frisenborgvej 33  
DK-7800 Skive  
Denmark  
(+45) 9614 9614

DEIF A/S  
Frisenborgvej 33  
DK-7800 Skive  
Denmark  
+45 9614 9614

DEIF A/S  
Frisenborgvej 33  
DK-7800 Skive  
Denmark

Date: 20100319

Martin S. Mallan  
Type Test Manager