

## DATA SHEET 11 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 08 ATEX 3048

**Manufacturer:** Bauer Gear Motor GmbH

Eberhard-Bauer-Straße 30-60, 73734 Esslingen, Germany

for three-phase motor type DXE06LA4-...

### Ratings and Data

This certificate is valid for the following designs providing the motors of this type differ only negligibly from the sample tested as regards the electrical and thermal stresses:

Power for cooling temperature 60°C:	0.18					kW
Current:	110	220	400	500	690	V
Strom:	2.3	1.15	0.63	0.51	0.37	A
Power factor:	0.70					
Frequency:	50					Hz
Speed: (motor)	1360					min <sup>-1</sup>
Duty Type:	S1					
I <sub>A</sub> /I <sub>N</sub> ratio:	3.4					
Thermal class:	155 (F)					

In addition to the above-mentioned voltages, intermediate values are also permissible. The associated currents are to be converted in the inverse ratio to the voltages. The mains voltage may vary by up to  $\pm 5\%$  and the mains frequency by up to  $\pm 2\%$  from the rated values, in keeping with ranges A according to IEC 60034-1.

A supplementary data plate on the motors indicates that connecting cables or lines with increased thermal endurance and a temperature limit of at least 80 °C must be used.

### Temperature monitoring

For the selection of a current dependent time-lag protective device, the times  $t_E$  were determined as follows:

Temperature class:	T1	T2	T3	
Time $t_E$ :	39	39	39	s

Test report PTB Ex 13-33234

Zertifizierungssektor Explosionsschutz

On behalf of PTB

Braunschweig, January, 16, 2014

Dr.-Ing. F. Tienesch  
Regierungsdirektor

