elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100



Sensor de ângulo 424Z

O sensor de ângulo axial modelo 424Z tem um design compacto. Disponível opcionalmente com sinal de saída redundante torna o sensor 424Z a solução ideal para aplicações com elevado nível de segurança. especialmente para aplicações móbil. O range de medição é de 30 ° até 120 °. Devido à tecnologia de sensores de feito Hall, trata-se de um sensor extremamente confiável e com elevada vida útil.

Especificação Técnica

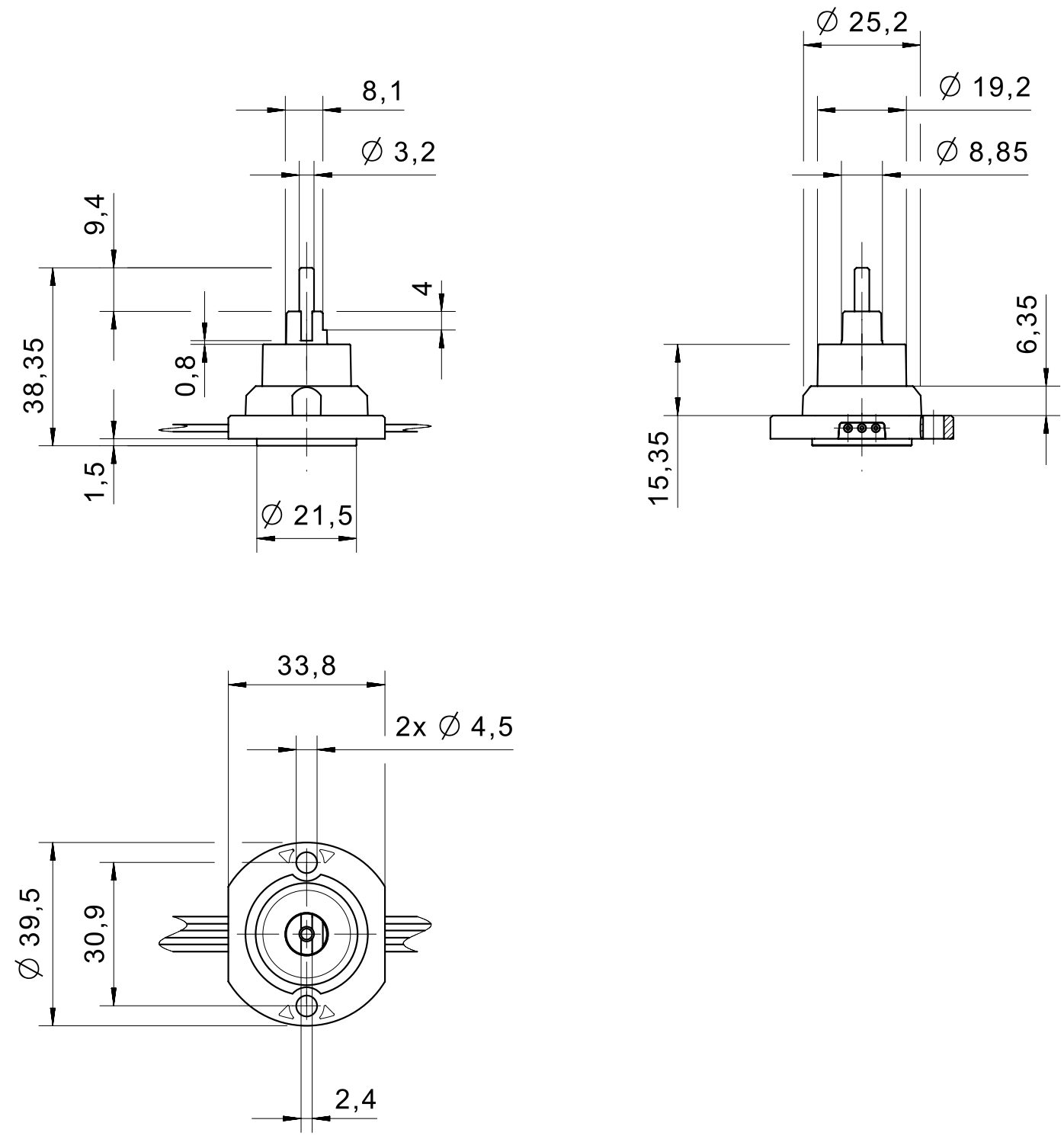
- Durabilidade e confiabilidade de medição devido à tecnologia de sensores de efeito Hall
- Classe de proteção IP67
- Temperatura de trabalho -40 °C até +85 °C
- Resolução 0.1°
- Range de medição de 30° até 120°
- Sinal de saída 0.5 V – 4.5V
- Sinal de saída redundante opcional
- Travamento mecânico do eixo do sensor (180°)

elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

Desenho técnico

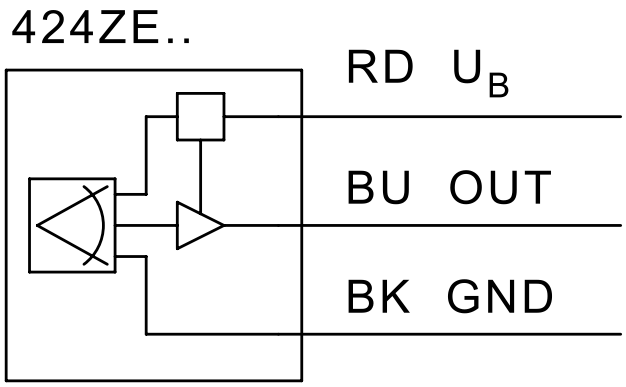
IMAGE 1/5

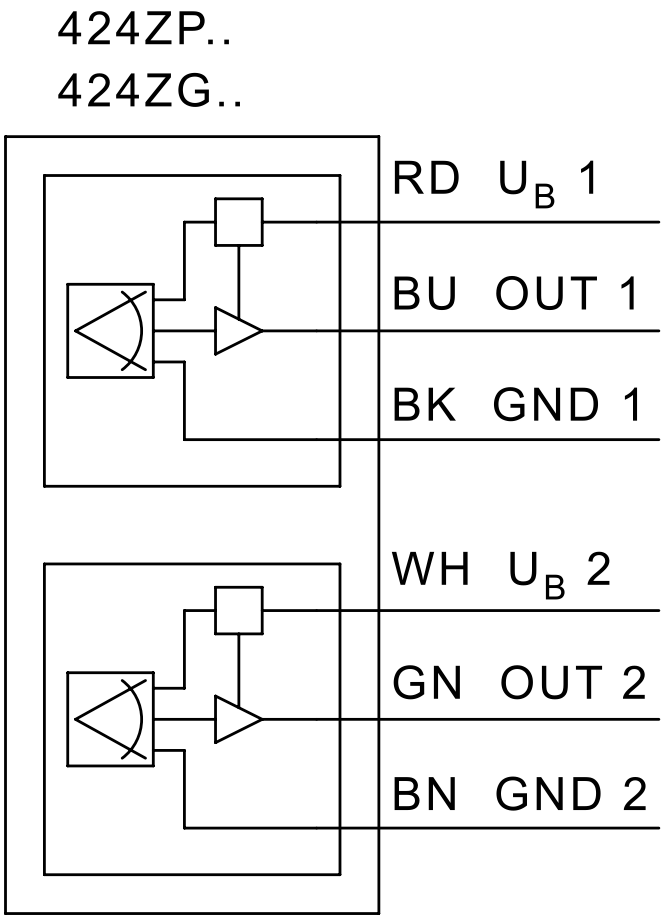


elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

IMAGE 2/5

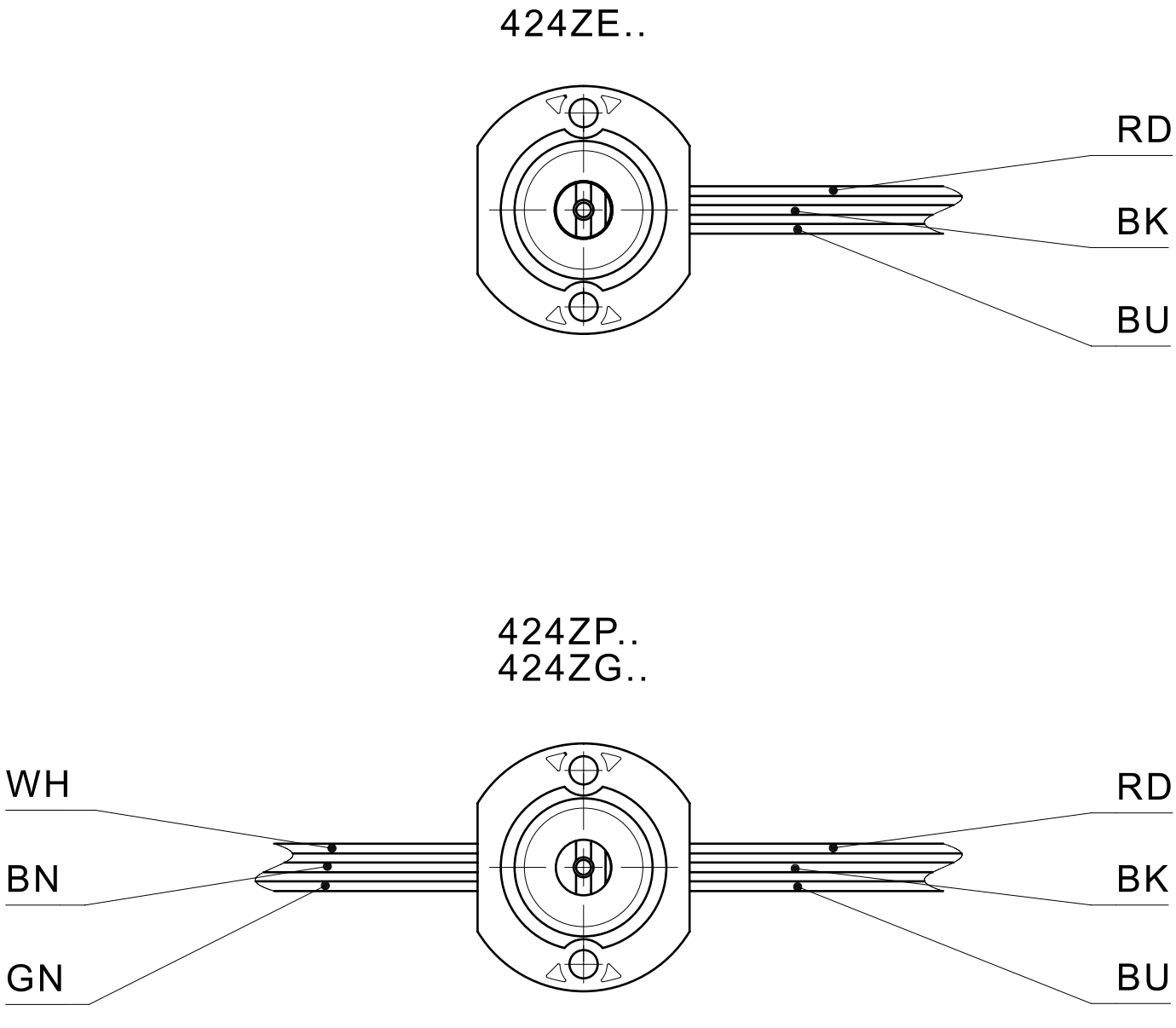




elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

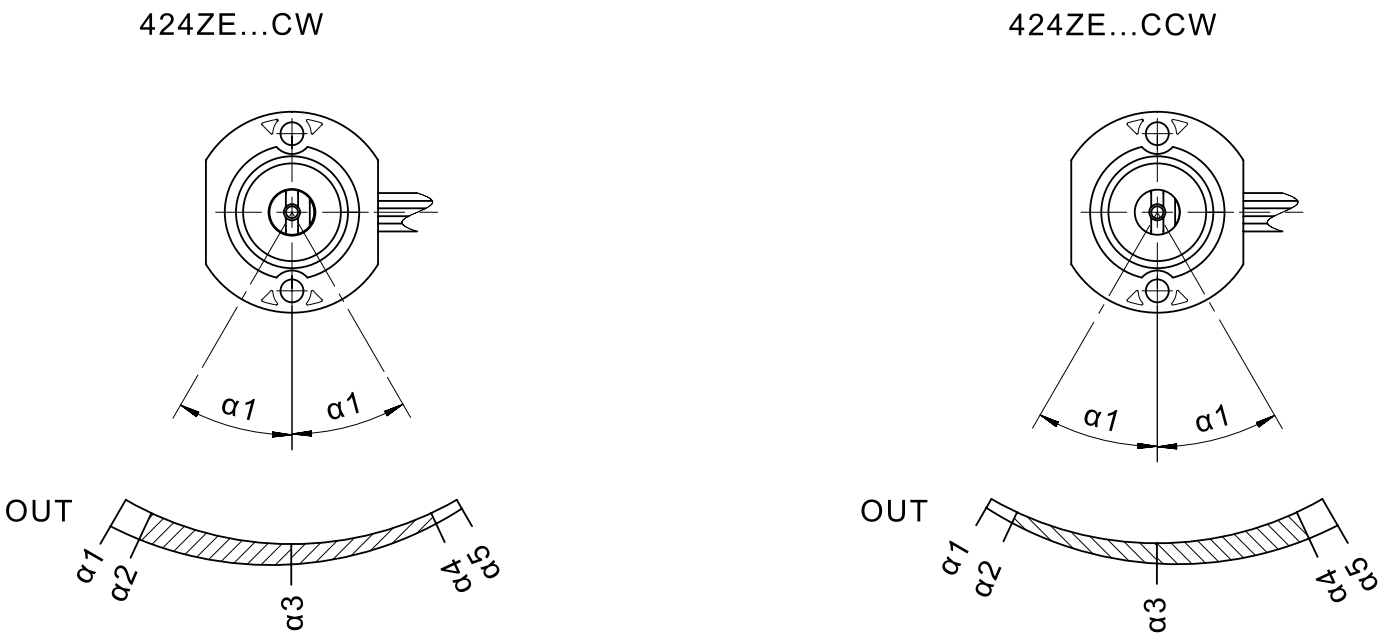
IMAGE 3/5



elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

IMAGE 4/5

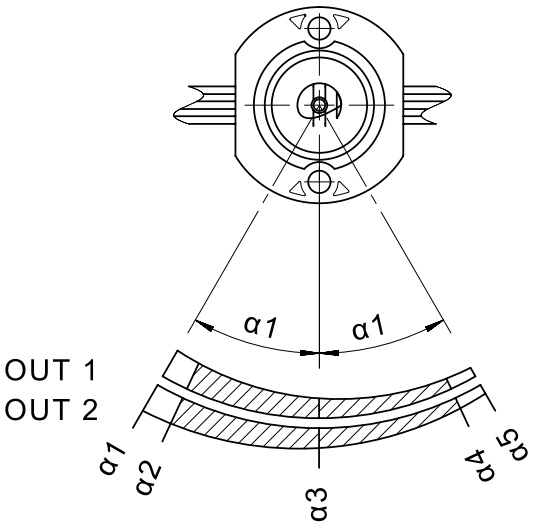


elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

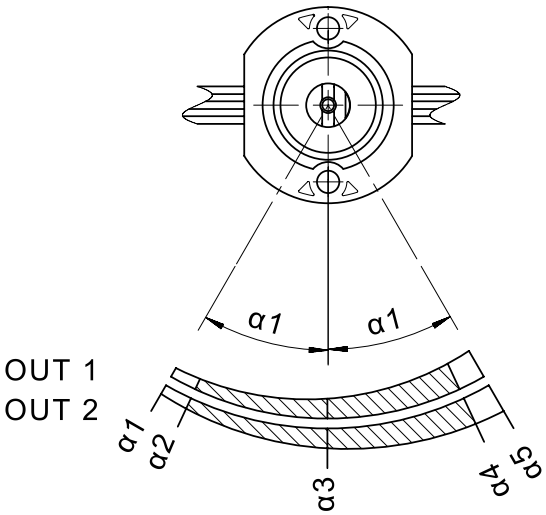
Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

IMAGE 5/5

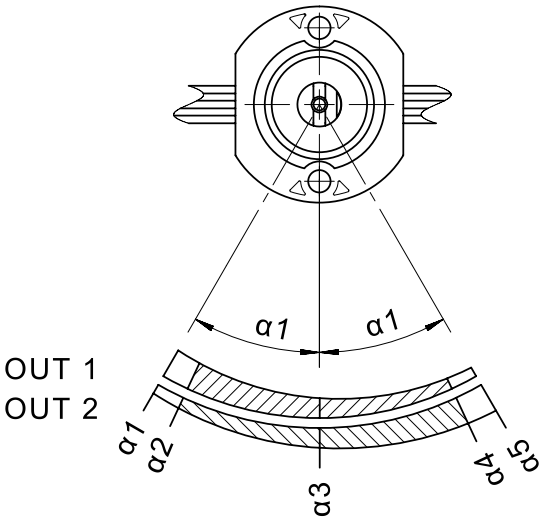
424ZP...CW/CW



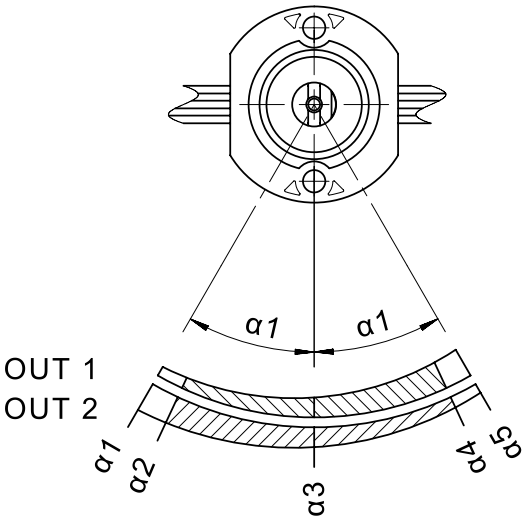
424ZP...CCW/CCW



424ZG...CW/CCW



424ZG...CCW/CW



elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

Product options

IMAGE 1/1

ORDERING KEY

424Z			Axial angle sensor 120°, magnetic + redundant
			Output signal / signal sequence
	E		Output 1 / CCW
	G		Opposite (output 1 + output 2) / CCW/CW
			Angle measuring range
		030	30°
		045	45°
		060	60°
		090	90°
		120	120°

Optional
Output signal
Parallel

elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

Características do artigo

Attribute	00008833
Polarity reversal protection	yes
Output signal min.	0.5 V DC
Output signal max.	4.5 V DC
Output signal - centre position/zero position	2.5 V DC
Resolution	0.1 °
Operating voltage min.	4.5 V DC
Operating voltage max.	5.5 V DC
Current consumption	10 mA
Temperature coefficient	typ. +- 250 ppm/K
Signal sequence	CCW or CCW/CW
Signal update rate	2000 Hz
Outputs (quantity, type)	1 or 2
Technology	Hall
Angle measuring range	30° ... 120 °
Outputs	0,5...4,5V
MTTF	717.9 a
Load resistance min.	10000 Ohm
Typical linearity error	= +/-15° : +-0,2° = +/-25° : +-0,4° = +/-35° : +-1,0° = +/-45° : +-2,0° = +/-60° : +-5,0°
EMC Agricultural and forestry machines (Norm)	EN ISO 14982 conducted disturbance not applicable for 5V supply
EMC Earth-moving and building construction machinery (Norm)	DIN EN ISO 13766-1 conducted disturbance not applicable for 5V supply
EMC Industrial trucks (Norm)	DIN EN 12895
Max. shaft load, axial	0 N
Max. shaft load, radial	0 N
Bearing	Plastic plain bearing
Mechanical stop	yes
Protection class	IP67 DIN EN 60529
Operating temperature min.	-40 °C
Max. operating temperature	85 °C

elobau GmbH & Co. KG
Zeppelinstr. 44
88299 Leutkirch, Germany

Tel.: +49 (0) 7561 970-0
Fax: +49 (0) 7561 970-100

Attribute	00008833
Min. storage temperature	-40 °C
Max. storage temperature	85 °C
Min. cable temperature range, fixed installation	-40 °C
Max. cable temperature range, fixed installation	105 °C
Torque for fastening screws	1 N m
Cable type	Strand
Cable length	0.5 m