

**No-shaft brushless resolver  
Bürstenloser Hohlwellen Resolver**

**Type RE 15L1A64**



- Accuracy  $\pm 10$  Min. ( $\pm 6$  Min.)
- Mounting directly on shaft
- No coupling necessarily
- No brushes or contacts
- No brackets

How to order  
Type  
Mounting bride incl. bolts (2 pieces)

Brushless Resolver  
RE15L.1.A64.10.10  
BMR (M3 x 8)

Type

RE15L.1.A64.x.x

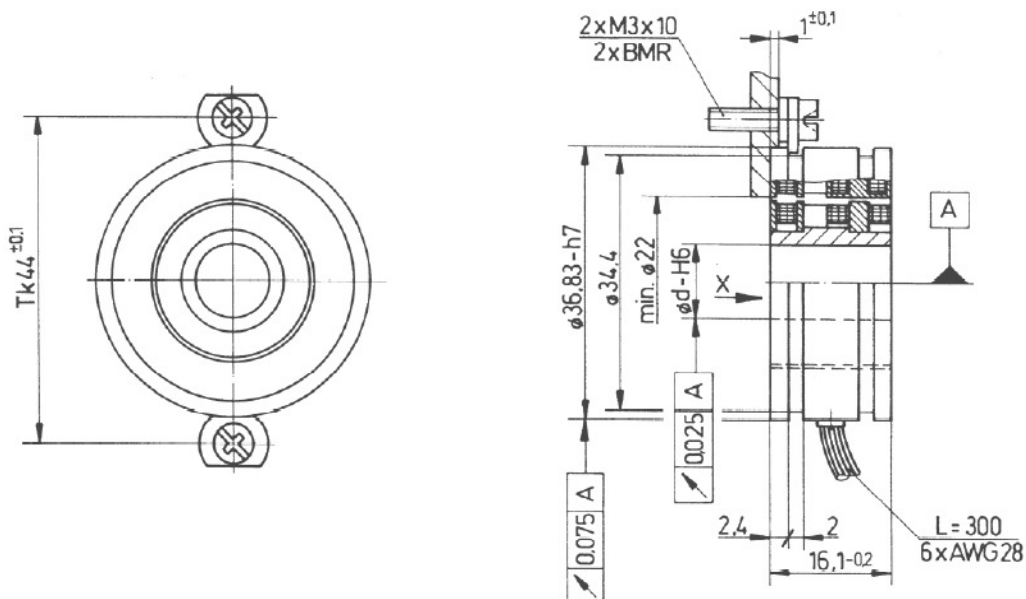
Housing dimension  
Speed  
Electrical values  
Accuracy  
Accuracy on request  
Bore diameter  
Option

36.83 x 16  
1  
A 64  
10  $\pm 10$  Min.  
06  $\pm 6$  Min.  
10  $\varnothing 10$   
06  $\varnothing 6$

Mechanical data  
Shock  
Vibration  
Rotor moment of inertia  
Hi-Pot  
Operating temperature  
Weight

11 ms  $\leq 10000$  m/s<sup>2</sup>  
10 ... 500Hz  $\leq 500$  m/s<sup>2</sup>  
0.02 x 10<sup>-4</sup> kgm<sup>2</sup>  
500V at 50Hz  
-55°C +155°C  
 $\approx 90$ g (Rotor 25g)

**Outline drawing**



**Type RE 15L1A64**

Electrical connection	at 25°C	
Electrical data	at +25 °C	
Speed	1	
Input voltage	7 V eff.	
Input current	58 mA (max.) 36 mA	
Frequency	5 kHz 10 kHz	
Primary	Rotor	
Ripple	Max. 1`	
Transformation ratio	0,5 ± 10 %	
<b>Impedance (nom.)</b>		
Z <sub>po</sub>	75 + J 98 Ω	110 + J 159 Ω
Z <sub>ps</sub>	70 + J 5 Ω	96 + J 150 Ω
Z <sub>so</sub>	180 + J 230 Ω	245 + J 400 Ω
Z <sub>ss</sub>	170 + J 200 Ω	216 + J 370 Ω
<b>DC Resistance (nom.)</b>		
Stator	102 Ω ± 10 %	200 Ω ± 10 %
Rotor	40 Ω ± 10 %	17,5 Ω ± 10 %
Phase shift	8° ± 3°	6° ± 3°
Red-White	R <sub>1</sub> Rotor	
Black-White	R <sub>2</sub>	
Red	S <sub>1</sub> Stator	
Black	S <sub>3</sub>	
Yellow	S <sub>2</sub>	
Blue	S <sub>4</sub>	

