

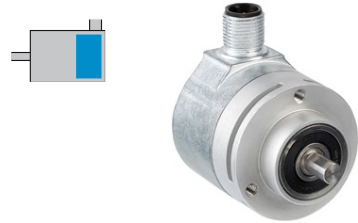


Systèmes feedback-moteur rotatifs Hiperface® SKS/SKM36

SKS36-HVV0-K02



Type produit > SKS36-HVV0-K02
Numéro de commande > 1035604



At a glance

- Motor feedback systems for the standard performance range
- 128 sine/cosine periods per revolution
- Absolute position with a resolution of 4,096 increments per revolution and 4,096 revolutions with the multiturn system
- Programming of the position value and electronic type label
- HIPERFACE® interface
- Integrated version and stand-alone design
- Certified according to SIL2/PL d (only valid for SKS36S/SKM36S-H...)
- Conforms to RoHs

Your benefits

- The small dimension allows manufacturers of low-power and minimal-power motors to considerably reduce the size of their motors
- The stand-alone version is ideally suited as a master and path encoders
- The SKS/SKM36 motor feedback systems have strongly penetrated the drive technology market
- The consistent mechanical components in SEK/SEL37 allow for a high degree of flexibility with various encoder systems



Performance

Number of sine/cosine periods per revolution:	128
Number of the absolute ascertainable revolutions:	1 (monotour)
Nombre total de pas:	4.096
Pas de mesure:	2,5 " (at interpolation of the sine/cosine signals with e.g. 12 Bit)
Limites d'erreur pour la valeur absolue numérique:	± 320 " (via RS485)
Integral non-linearity:	± 120 " (Error limits for evaluating sine/cosine period)
Differential non-linearity:	(Non-linearity within a sine/cosine period)
Vitesse de fonctionnement:	6.000 /min, up to which the absolute position can be reliably produced
Available memory area:	1.792 Byte (EEPROM 2048) ¹⁾

¹⁾ If applying the electronic type label, in connection with numeric controllers, attention should be paid to Patent EP 425 912 B 2, application of the elektronik type label in connection with speed regulation ist exempt.

Données de mécanique

Diamètre de l'arbre:	6 mm
Type de bride:	Servo-/face mount flange

Dimensions:	see dimensional drawing
Mass:	0,14 kg
Moment d'inertie du rotor:	6 gcm ²
Maximum angular acceleration:	500.000 rad/s ²
Couple de fonctionnement ::	0,6 Ncm
Couple de démarrage:	0,9 Ncm
Durée de vie des roulements à billes:	2.0 x 10 ⁹ revolutions
Raccordement:	Cable, 8-pin, 1,5 m
Exécution de l'arbre:	Solid shaft
Permissible Load capacity of shaft:	10 N (radial) 5 N (axial)

Données de électrique

Interface électrique:	HIPERFACE
Operating voltage range/supply Voltage:	7 V DC ... 12 V DC
Recommended supply voltage:	8 V DC
Operating current:	60 mA ¹⁾
Fréquence de sortie des signaux sin/cos:	0 kHz ... 65 kHz

¹⁾ Sans charge

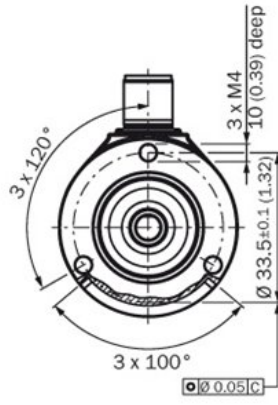
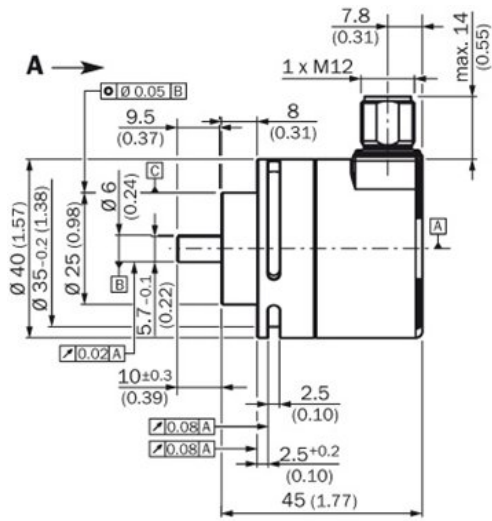
Interfaces

Type de code pour la valeur absolue:	binary
Séquence de code:	Increasing, for clockwise shaft rotation, looking in direction "A" (see dimensional drawing)
Signaux d'interface:	Process data channel SIN, REFSIN, COS, REFCOS: analog, differential parameter channel RS 485: digital

Caractéristiques ambiantes

Working temperature range:	-20 °C ... 100 °C
Storage temperature range:	-40 °C ... 125 °C, without package
Relative humidity/Condensation:	90 %, Condensation not permitted
Résistance aux chocs:	100 g, 6 ms (according to EN 60068-2-27)
Résistance aux vibrations:	50 g, 10 Hz ... 2.000 Hz (according to EN 60068-2-6)
CEM:	According to EN 61000-6-2 and EN 61000-6-3
Indice de protection:	IP 65, according to IEC 60529, with mating connector inserted

Plan coté



All dimensions in mm (inch)

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