1FT7036-5AK70-1CH0

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ft7036-5ak70-1ch0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1FT7036-5AK70-1CH0
Product Type	Synchronous Motor
Frame Size	IMB 5
Mounting Position	IM V1, IM V3
Cooling Type	Naturally Cooled
Encoder Type	Absolute Encoder
Encoder Resolution	24-bit single-turn, 12-bit multi-turn
Interface Type	DRIVE-CLIQ
Holding Brake	Yes
Stopień ochrony	IP 64
Waga netto	5.0 kg

Description

1FT7036-5AK70-1CH0 - synchronous motor, SIMOTICS S 1FT7 series, Siemens. Rated speed 6,000 rpm, rated torque 1.7 Nm at 100% rated torque, rated current 2.4 A, static torque 3.0 Nm at 100% rated torque.

Natural cooling, frame size IMB 5, mounting positions IM V1 and IM V3, rotatable power connector. Absolute encoder with 24-bit single-turn and 12-bit multi-turn resolution, DRIVE-CLIQ interface. Plain shaft and holding brake.

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Accuracy tolerance N, vibration severity grade A, degree of protection IP 64. Net weight 5.0 kg, rotor moment of inertia 1.33 kg·cm², shaft torsional stiffness 4,100 Nm/rad, electrical time constant 4.3 ms.

Suitable for SINAMICS S120 Booksize and S120 Booksize Compact drives; rated inverter current 5.00 A, maximum inverter current 15.00 A, maximum permissible speed 10,000 rpm, maximum torque 12.0 Nm.