

## Full programmability in 36 mm only

*IQ36 / CKQ36 programmable incremental encoder from Lika Electronic has shrunk to a very compact 36 mm diameter enclosure yet it offers all the advantages in terms of parametrization and flexibility.*

- Programmable up to 16,384 PPR
- Ø 36 mm compact enclosure
- TTL/HTL Universal output circuit



Despite the very compact dimensions (the enclosure has a flange diameter of only 36 mm and is less than 40 mm in depth), **IQ36 / CKQ36 programmable incremental encoder** from Lika provides the versatile programmability and the varied electrical options to meet the widest of industry specific requirements.

IQ36 / CKQ36 features a robust magnetic scanning with automatic calibration and can be programmed to accommodate any value **from 1 to 16,384 pulses per rotation**. It provides ABO and inverted /ABO signals via Push-Pull & Line Driver compatible output circuit. The output signal voltage level is according to the input voltage (+5Vdc ... +30Vdc). In addition the Index mark position and duration (90° or 180° el.) as well as the counting direction (CW and CCW) can be set via the PC tool supplied for free (a connection kit to wire connect the encoder and the PC via USB can be purchased separately).

IQ36 / CKQ36 comes in an extremely compact, fully enclosed and rugged enclosure with 6 mm hollow and solid shaft versions.

The protection rating is IP67 (IP65 on shaft side) or IP69K with sealed circuits on demand while the temperature range is between -25°C +85°C (-13°F +185°F). These properties make IQ36 / CKQ36 exceptionally well suited for the harshest industrial environments and even for critical applications suffering from limited space including utility vehicles, construction equipment, product handling equipment, pick & place robots.

Outputs with M12 connector as well as cable in either axial or radial output are offered. The protection against reverse polarity and short-circuit further complete the available electrical configuration.

Lika Electronic products portfolio includes a wide selection of programmable incremental and absolute encoders designed for the most diverse applications and needs. Pick from the comprehensive list at <http://bit.do/Lika-Programmable-Encoders>

Compare the available programmable incremental series in the next page.




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Smart encoders & actuators

Compare programmable incremental encoder series in detail, look at the comparison chart!

Serie	IQ36 • CKQ36	IQ58 • IQ58S • CKQ58	IP58 • IP58S • CKP58
			
<b>Type</b>	Incremental for environment- & space-critical applications	Incremental general-purpose for standard applications	Incremental top of the range for high-end and demanding applications
<b>Dimensions</b>	36 mm flange diameter	58 mm flange diameter	58 mm flange diameter
<b>Shaft diameter</b>	6 mm solid shaft, 6 mm hollow shaft	6, 8, 9.52, 10, 12 mm solid shaft 14, 15 mm hollow shaft	6, 8, 9.52, 10, 12 mm solid shaft 14, 15 mm hollow shaft
<b>Max. protection rate</b>	IP69K with sealed circuits	IP65	IP65
<b>Operating temperature range</b>	-25°C +85°C / -13°F +185°F	-25°C +85°C / -13°F +185°F	Up to -40°C +100°C / -40°F +212°F
<b>Sensing technology</b>	Magnetic (with automatic calibration)	Magnetic (with automatic calibration)	Optical
<b>Resolution</b>	Programmable 1 to 16,384 PPR	Programmable 1 to 16,384 PPR	Programmable 1 to 65,536 PPR
<b>Accuracy</b>	±0,05° (typical)	±0,05° (typical)	±0,005° (typical)
<b>Max. counting frequency</b>	300 kHz	300 kHz	800 kHz
<b>Output signals</b>	ABO, /ABO	ABO, /ABO	ABO, /ABO
<b>Index (0, /0) position</b>	Programmable at any position via software	Programmable at any position via software	Programmable at any position via either software or remote signal or external push-button
<b>Output signals level</b>	According to input voltage	According to input voltage	Programmable according to input voltage or +5Vdc
<b>Output circuit</b>	Universal (HTL & TTL compatible)	Universal (HTL & TTL compatible)	Universal (HTL & TTL compatible)
<b>Output connection</b>	Cable, M12 connector	Cable, M12 connector, M23 connector	Cable, M12 connector, M23 connector
<b>Power supply</b>	+5Vdc +30Vdc	+5Vdc +30Vdc	+5Vdc +30Vdc
<b>Diagnostic LEDs</b>	No	No	Yes
<b>Configuration tool</b>	KIT IP/IQ58 + USB connection cable (to be purchased separately)		