BRIEF INFORMATION

Battery isolator switch

→ Effective protection against theft and fire in case of accidents in the agricultural and construction machinery
→ Dust and waterproof acc. to IP 69
→ Switching also partially possible under a load of 250 A

PRODUCT FEATURES

- Thanks to the simple operation of the key, the power circuit of the vehicle between the battery, starter and other consumers is forced closed. It is opened (separation) via a return spring. An indispensable safety factor.
- As a standard accessory, the dust cap effectively prevents soiling when key is removed. This means that the HELLA battery isolator switch is dust and water proof in accordance with IP 69 when used.
- The uniform and removable key has a double-sided dowel pin.
- The flange is available either in an oval or round form. The ultrasonically welded flange and casing are made of glass-fibre reinforced and flame-resistant polyamide.

PRODUCT OVERVIEW

The following battery isolator switches are make contacts (assembly type – screwed) that all have a turn knob control.

Product photo	Design	Connection number	Connection thread	IP protection class	max. current at rated voltage	Rated voltage up to	Connecting bolt material	Part number
	oval	2	M10 x 1,5	40050/IP 69K	250 A	24 V	CuZn39	**6EK 002 843-111**
	oval	2	M10 x 1,5	IEC 529/IP 65	500 A	32 V	CuZn39 F44, gal Sn	**6EK 002 843-121**
	round	2	M10 x 1,5	40050/IP 69K	250 A	24 V	CuZn39	**6EK 002 843-131**
	round	2	M10 x 1,5	40050/IP 69K	250 A	24 V	CuZn39+Ag	**6EK 002 843-141***
	oval	2	M10 x 1,5	40050/IP 69K	250 A	24 V	CuZN39+Ag	**6EK 002 843-151***

* Switching under permanent load – battery isolator switches usually only allow the separation (open and close) in a current-free state. the latest and most effective HELLA battery isolator switches (-141, -151) also allow switching under a permanent load (250 A). This property is available up to max. 50 times.

INSTALLATION ADVICE

for HELLA battery isolator switches

- The tightening torque of the attachment screws should be max. 12 Nm
- The cable lug has the shape A acc, to DIN 46211
- The cable lug must lie between the contact surface of the contact screws and the spring ring; the torque of the nuts should not undercut 23 Nm
- Connection cross-sections of the supply lines for three-phase current should be as follows; at 100 A/35 mm^2, at 250 A/70 mm^2 and at 500 A/250 mm^2