LV435010

Industrial automation components

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Manufacturer	Schneider Electric
Catalog number	lv435010
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Supply Voltage	110 to 230 V AC at 50/60 Hz, 110 to 230 V DC
Response Time (Opening)	<= 500 ms
Response Time (Closing)	<= 1 s
Maximum Operating Frequency	<= 2 cycles per minute cycles/min
Maximum Power Consumption	300 VA
Electrical Endurance	20,000 cycles
Keylock	Included
Transparent Cover	Included
IK Protection Degree	IK07
IP Protection Degree	IP20
Total Lifecycle Carbon Footprint	29 kg CO2 eq.

Description

The Schneider Electric LV435010 is a motor mechanism designed for the EasyPact CVS series circuit breakers, facilitating both local and remote control operations. It operates across a supply voltage range of 110 to 230 V AC at 50/60 Hz and 110 to 230 V DC, ensuring compatibility with various electrical systems. The device features a fixed mounting mode and boasts a rapid response time, with opening actions completed in 500 ms and closing actions in 1 second. It supports a maximum operating frequency of up to 2 cycles per minute, making it suitable for applications requiring frequent switching. The motor mechanism consumes up to 300 VA during both opening and closing operations, ensuring efficient energy usage. Designed for durability, it offers an electrical endurance of 20,000

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cycles under both AC and DC conditions. The device includes a keylock for enhanced security and is protected by a transparent cover with an IK07 degree of protection, safeguarding against mechanical impacts. Additionally, it has an IP20 degree of protection, indicating resistance to solid objects larger than 12.5 mm but not to water ingress. Environmentally, the LV435010 has a total lifecycle carbon footprint of 29 kg CO2 equivalent and is packaged using recycled cardboard, with a minimum of 70% recycled content. The product is also designed with a recyclability potential of 66%, reflecting its eco-friendly design considerations.