



Rectifiers for Electromagnetic Brakes

Product description

Characteristics

- The Rectifier for the electromagnetic brake is an external component and must be installed in a protective box, as close as possible to the Motorized Pulley.
- The fast-acting rectifier starting output voltage equals $0.9 \times$ input AC voltage for 0.004 seconds to 2 seconds, depending on the external resistance. The fast-acting rectifier holding output voltage equals $0.45 \times$ input AC voltage.

Applications

- Motorized pulleys with electromagnetic brake

Product range					
Part number	Input Voltage to Motorized Pulley VAC	Input Voltage to Brake VDC	Rectifier Output Starting Voltage VDC	Rectifier Output Holding Voltage* VDC	Rectifier type
SW4B0A	230	104	207	104	Fast-acting rectifier
SW4BED	460	207	414	207	Fast-acting rectifier

*Using a fast-acting rectifier will save energy and reduce brake coil heat. These types of rectifiers generate a holding voltage lower than the starting voltage of the brake coil itself.