

Order designation: Load disconnection LA-SYN 0,55 A – 2,5 A

Short description

With the use of two JM-DC-SYN motor openers of the same design, which are in synchronous operation, an electronic load disconnection LA-SYN is required.

The load disconnection LA-SYN monitors the power consumption of both motors of the synchronous pair. The switching threshold is performed in eight steps from 0,55 A to 2,5 A.

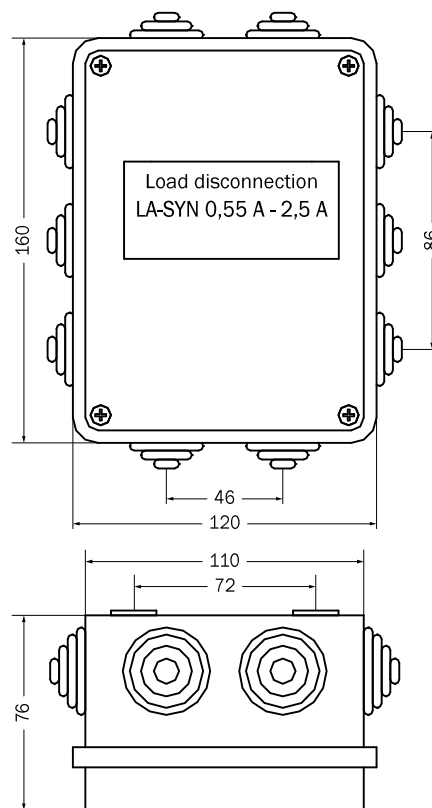
For the "Open" direction

If the power of a motor is higher than the threshold setting, both motors are disconnected. This avoids the damaging of the opening element.

For the "Close" direction

If the power of a motor is higher than the threshold setting, this motor is disconnected. The second motor is disconnected after a follow-up time of 3 s.

The synchronous control LA-SYN recognize any line breakage of the supply lines to the motors and in case of a failure both motors are disconnected. By the coupling of two synchronous controls the synchronous operation of up to 4 motors of a same design is possible.



Technical data

Type

Synchronous control LA-SYN 0,55 A – 2,5 A

switch-off current per motor

0,55 A / 0,8 A / 1,1 A / 1,4 A / 1,6 A / 1,8 A / 2,0 A / 2,5 A

connection terminals

supply line

6 mm² or 4 mm² flexible with wire end sleeve

motor line and coupling

2,5 mm² or flexible with wire end sleeve

colour

housing light grey,
similar to RAL 7 035 (light grey)

max. duty cycle

S3 30 %

nominal voltage

24 V +4/-2 V; Residual ripple < 5 %;
Ü < 31,2 V

protection class

IP 54 (protected against spray water)

temperature range

-20 °C to +60 °C

Terminal 1		Terminal 2
+	Open	-
-	Close	+

Connection diagram

Terminal no.	1	2	3	+	-	⏏	+	-	⏏
Voltage	Input			Motor 1			Motor 2		
Open	bn	bl		bn	bl	sw	bn	bl	sw
Close	bl	bn		bl	bn	sw	bl	bn	sw

