

Intelligent Current Limiter and Overload Interrupter - Type LIP6

Description

LIP6 is an advanced electronic product, which is used as a current limiter between a 24V DC or 48V DC supply and 1 or 2 actuators. When the adjusted current limit is reached because of the load of the actuator(s), and the load of the actuator(s) hereby increased further, the speed of the actuator(s) will be automatically reduced. This way the consumption will not exceed the adjusted level, e.g. 3 amp. for 24V or 1,5 amp. for 48V.



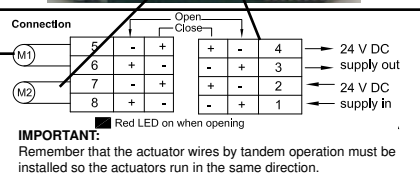
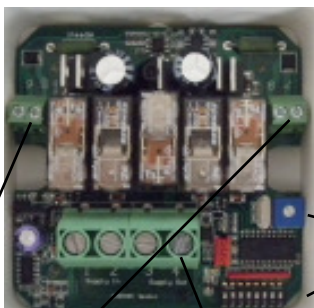
LIP6 can work both as single operation, i.e. connected to 1 actuator or as tandem operation i.e. connected to 2 actuators in parallel operation.

LIP6 has a built in actuator protector. This means that the voltage will automatically be interrupted if the speed of the actuator gets relatively very low or stops completely because of a mechanic locking or end stop. LIP6 is delivered in a discreet plastic box, which also functions as a link between the supply and the actuator(s).

Technical data

Supply:	24V DC or 48V DC +/- 15%
Output:	2 outputs which can function independently (separately when in single operation) or in tandem operation
Synchronized timer:	Potentiometer adjustment for synchronization (1-10 sec.) when tandem operating
Current limiter:	Adjustment possibilities for max. current consumption by means of a switch on the board:
	Type of opening system:
	SA Power 3,0A 1,5A for each actuator output
	SA Power 4,0A 2,0A for each actuator output
	Rotary 100 2,5A 1,5A for each actuator output
Tandem operation:	Delay between M1 & M2 can be activated by a switch on the board
Input resistance:	Possibility to connect a 27K ohm resistance over the input clamp connection for monitoring of the line
Dimensions (l x w x h):	100 x 100 x 50 mm
Colour:	White
Density:	IP54
Approved according to:	EN60335-1
Marked:	CE

Connection and adjustments



SW	off	on	Function	Setting
1	<input checked="" type="checkbox"/>		Max. current motor output	24 VDC supply N/A - 3,0A - 4,0A - 2,5A Rotary100 48 VDC supply N/A-1,5A- 2,0A-1,25A Rotary100
2	<input checked="" type="checkbox"/>			off off on on
3	<input checked="" type="checkbox"/>		Current limit setting	on = niveau 2 off = niveau 1
4	<input checked="" type="checkbox"/>		Standard operation	Always ON
5	<input checked="" type="checkbox"/>		Input resistance	on = 27Kohm connected off = 27Kohm disconnected
6	<input checked="" type="checkbox"/>		Delay between M1 and M2	on = delay on off = delay off
7	<input checked="" type="checkbox"/>		No function	

Potentiometer:

Synchronization adjustment (1-10 sec.) when one of the actuators (by tandem operation) has reached the end stop or other mechanical stop. The time of synchronization allows the second actuator to run during the adjusted time in order to close the skylight completely.