

Power consumption limiters

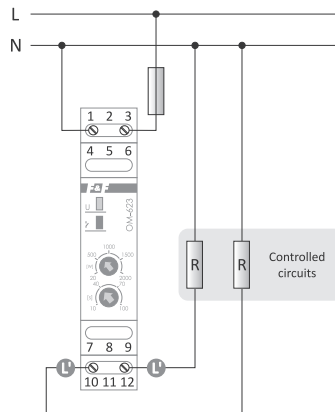
Purpose

Power consumption limiters are used to disconnect the power supply of the electrical installation circuit in case of exceeding the set value of the power consumed by the receivers in this circuit. They protect against unauthorized connection and theft of electrical power.

Functioning

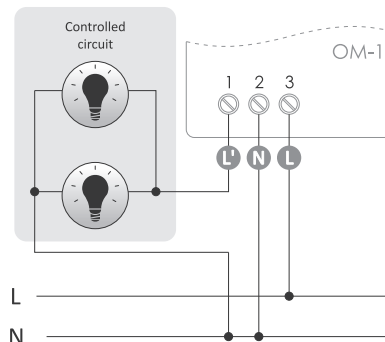
The power limiter allows you to power the circuit when the total power of the receivers in the controlled circuit is lower than the set power. Exceeding the set power consumption threshold in a controlled circuit results in the disconnection of the power supply to this circuit. The power supply will be restored automatically after a set time.

OM-623 with an adjustable return time, for circuits with current converters



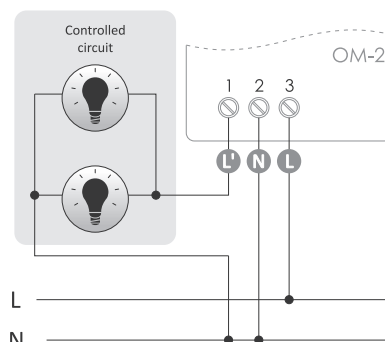
power supply	165÷265 V AC
maximum load current	
(AC-1)	16 A
(AC-3)	2 A
power limit (adjustable)	20÷2000 W
activation delay	2 s
return power supply time (adjustable)	10÷100 s
power consumption	<1 W
working temperature	-25÷50°C
terminal	2.5 mm ² screw terminals
tightening torque	0.4 Nm
dimensions	1 module (18 mm)
mounting	for TH-35 rail
ingress protection	IP20

OM-1 with a fixed return time



power supply	195÷253 V AC
maximum load current (AC-1)	16 A
power limit (adjustable)	200÷2000 VA
activation delay	1.5÷2 s
return power supply hysteresis	2%
return power supply time	30 s
power consumption	0.8 W
working temperature	-25÷50°C
terminal	2.5 mm ² screw terminals (cord) 4.0 mm ² screw terminals (wire)
tightening torque	0.5 Nm
dimensions	50×67×26 mm
mounting	surface-mounted
ingress protection	IP20

OM-2 with an adjustable return time



power supply	195÷253 V AC
maximum load current (AC-1)	16 A
power limit (adjustable)	200÷2000 VA
activation delay	1.5÷2 s
return power supply hysteresis	2%
return power supply time (adjustable)	4÷150 s
power consumption	0.8 W
working temperature	-25÷50°C
terminal	2.5 mm ² screw terminals (cord) 4.0 mm ² screw terminals (wire)
tightening torque	0.5 Nm
dimensions	50×67×26 mm
mounting	surface-mounted
ingress protection	IP20