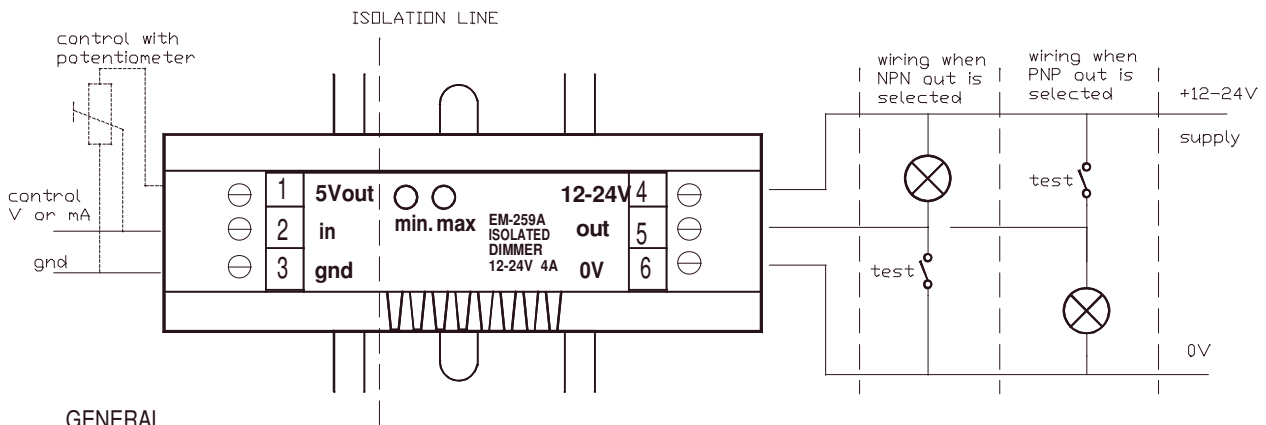


# EM-259A ISOLATED DIMMER 12-24Vdc 4A



NPN or PNP output  
mA, V or potentiometer input  
Galvanically isolated control  
Rail mountable  
EMC tested  
EM-259A replaces EM-259



## GENERAL

EM-259A is a dimmer for 12-24V system. This device has PNP and NPN outputs, so it can be used either with positive common or negative common systems. The output can source max. 4A current. If this current is exceeded the self-recovery fuse will cut out the output. The load can be resistive or inductive, and there is a special control adjustment curve also for led lamps. The control input is isolated, which makes possible to use this device with external voltage- or mA-signal. Also this device can be controlled with potentiometer. The isolated input makes it easy to connect many of these devices to work in parallel. The settings are made with dip-switches, which are located behind the side cap. The housing is rail mountable. Heat sink is on the side of the box. If load is over 3A, there should be at least 5mm free air on this side of the box to enable the cooling. Device meets the EMC requirements (CE) for household and industry use.

## TECHNICAL DATA

Supply voltage	18...35Vdc ( cont. )
Current consumption	30mA ( quiescent )
Output range	0-100%
Output modes	PNP pull up / NPN pull down
Output current	max. 4A
PWM freq	250Hz
Voltage drop	max 0.5V
Control	0-5V, 0-10V, or 0-24V 0...20mA or 4...20mA or a 1k to 10k potentiometer.
max. adjustment bias adjustment	max. output 100%-50% start level 0-50%
Input impedance	100 kohm ( for voltage signal ) 100 ohm ( for current signal )
isolation	500Vdc
operation temp.	0...60 °C
Dimensions	79x27x86mm
Housing	rail mountable module ( PHOENIX UEGM-25 )
Weight	140g

