

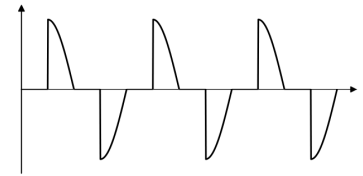
These phase controlled thyristormodules are suited for power controlling of shortwave and fast mediumwave IR-emitters.

The integrated soft start avoids current peaks as they usually appear while cold starting IR-emitters.

By operation with phase control will arise no optical flicker effect.

However for operation according EMC directives

mains filter and noise suppression chokes are to be used.



technical data

control principle:	flicker-free phase control with softstart
on-load voltage:	190 V AC to 500 V AC
mains frequency:	50 Hz $\pm$ 3 Hz
rating for fusing I ² t:	5000 A ² s, t=10 ms
auxiliary voltage:	24 V DC $\pm$ 20% / typ. 25 mA
control:	0 ... 10 V DC corresponding 0 ... 100% power
softstart time:	2.5 s
alarm contact:	NC / max. 60 V DC / max. 0.1 A DC / max. 0.5 W / potential-free
display:	LED, grün for adjoining control voltage LED, red for trouble e.g. load failure
ambient temperature:	0° to 60°C in operation / -20° to 80°C storage
humidity:	not condensed
protection class:	IP10

Thyristormodule without heat sink (external heat sink if necessary)

max. load current:	75A (recommendation with safety factor <30A)
dimensions:	58 mm x 44 mm x 48 mm (L x W x H)
mounting:	on heat sink with screws 2x M4
item-no.:	E110070



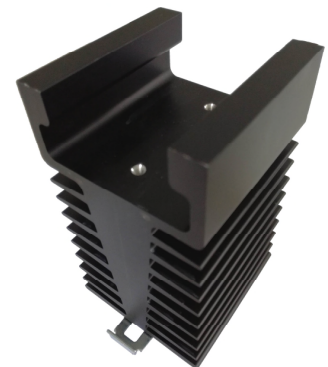
Heat sink for currents <30 A

max. load current:	30 A (recommendation with safety factor <20 A)
dimensions:	65 mm x 45 mm x 99 mm (L x W x H)
mounting:	snap on 35 mm DIN rail
item-no.:	600.1136



Heat sink for currents < 50 A

max. load current:	50 A (recommendation with safety factor < 30 A)
dimensions:	75 mm x 72 mm x 125 mm (L x W x H)
mounting:	snap on 35 mm DIN rail
item-no.:	600.1137



Heat sink for currents < 60 A

max. load current:	60 A (recommendation with safety factor < 40 A)
dimensions:	342 mm x 80 mm x 83 mm (L x W x H) without thyristor and mounting bracket
mounting:	with 4 x 4 mm mounting screws to the back of a power cabinet
fan:	230 V / 13 W
Overheat switch:	NC at T<70°C; max. 15 A, 250 V
item-no.:	E100284

EMC - Noise suppression choke / 32 A

max. current: 32 A (400 V AC)
dimensions: Ø50 mm; height 38mm without cable
mounting: thread M8 x 8mm, central
connection wire: 20 cm; 6mm²

item-no.: E120062



EMC mains filter / 3-phase / 35 A

max. mains voltage: 3x 400 V AC
max. phase current: 35 A
dimensions (LxWxH): 255 x 50 x 126 mm

item-no.: E120061



EMC - Noise suppression choke / 16 A

max. current: 16 A (400 V AC)
dimensions: Ø35 mm; height 34mm without cable
mounting: thread M8 x 8mm, central
connection wire: 20 cm; 2.5 mm²

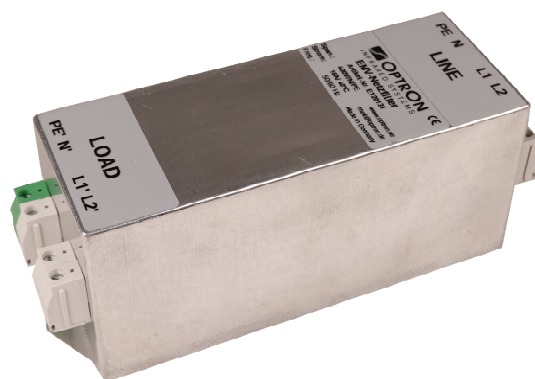
item-no.: E120132



EMC mains filter / 2-phase

max. mains voltage: 3x 400 V AC
max. phase current: 16 A
dimensions (LxWxH): 153 x 51 x 75 mm

item-no.: E120131



EMC mains filter / 3-phase / 64 A

max. mains voltage: 3x 400 V AC
max. phase current: 64 A
dimensions (LxWxH): 220 x 145 x 120 mm

item-no.: E120061.1

Attention !

According to EMC guidelines (EMC class A for industrial areas; IEC 60947-4-3 and IEC 61000-4-2) it is necessary to use a mains filter and a suppression choke for every load when using phase angle control!

Connection examples

