SKYBERGTECH

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Traction interference suppression filters series: 2KN

Description:

SKY2KN350 , SKY2KN500, SKY2KN350-rev.1, SKY2KN420 are traction passive interference suppression LC filters produced by SKYBERGTECH company. They are connected so that they restrict quantity of radio frequency interference coming to the trolley wire from the traction vehicle. The filters are designed for outdoors.

SKY2KN350, SKY2KN320-rev.1

TECHNICAL PARAMETERS:

Nominal current	350A
Nominal voltage	750Vdc
Warming @ 350A	40°C
Warming @ 350A minimal flow 1m/s	30°C
Power loss @ 350A	77W
Testing voltage (22+21+31) - PE/2s	6kVdc
Surrounding temperature	from -40°C to +60°C

SKY2KN500

TECHNICAL PARAMETERS:

Nominal current	500A
Nominal voltage	750Vdc
Warming @ 350A	40°C
Warming @ 350A minimal flow 1m/s	30°C
Power loss @ 350A	77W
Testing voltage (22+21+31) - PE/2s	6kVdc
Surrounding temperature	from -40°C to +60°C

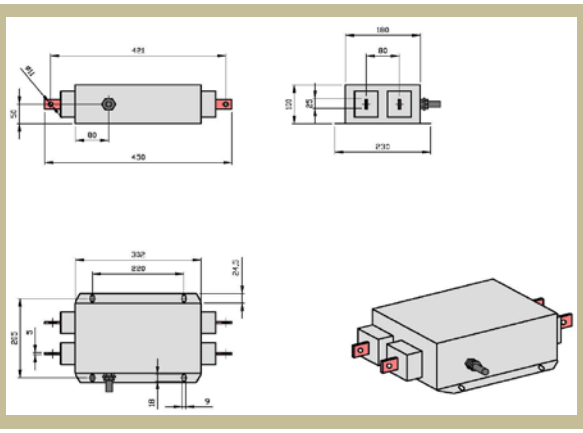
SKY2KN420

TECHNICAL PARAMETERS:

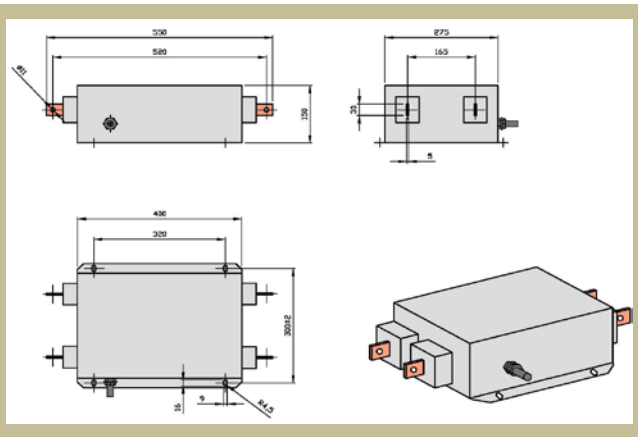
Nominal current	420A
Nominal voltage	750Vdc
Testing voltage (22+21+31) - PE/2s	6kVdc
Surrounding temperature	from -40°C to +60°C

Type	Nominal current [A]	Leakage current 1*) [mA]	Weight [kg]	Conductor cross section [mm 2]	basic dimensions [mm]				
					A length	B height	C width	D pitch	E pitch
SKY2KN350	350	-	13	25x5 M10	450	100	230	220	205
SKY2KN350-rev.1	350	-	13	25x5 M10	450	100	230	220	205
SKY2KN500	500	-	28	35x5 M10	550	150	348,4	320	300
SKY2KN420	420	-	12	oko 240-12	260	177	210	190	186

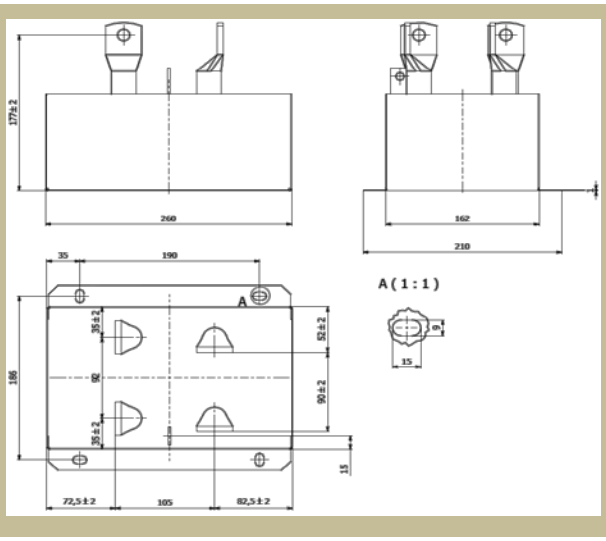
Dimensional drawing : SKY2KN350, SKY2KN350-rev.1



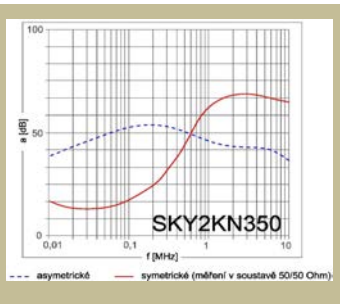
Dimensional drawing : SKY2KN500

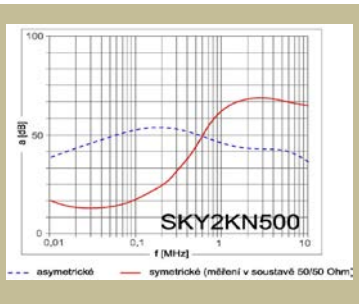


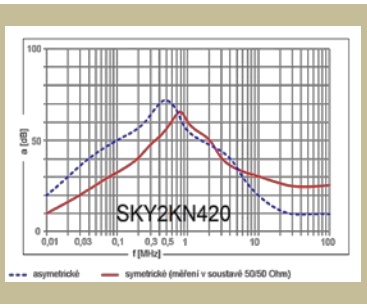
Dimensional drawing : SKY2KN420



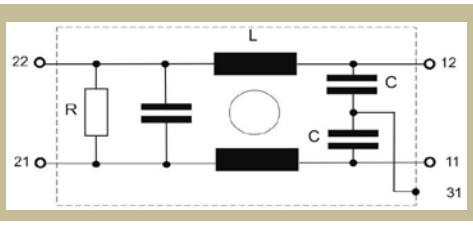
Attenuation characteristic:







Wiring diagram: SKY2KN350 , SKY2KN500, SKY2KN420



Service conditions:

If damage, exceeding of technical parameters and breach of service conditions not occur, an annual visual check of the filter will be enough. If the damage, exceeding of technical parameters or breach of service conditions occurs, it will be necessary to review or repair the filter by the producer.

An expected life is 10 years minimally if the technical parameters are not exceeded and the service conditions are not breached.

Use:

The filters are designed and engineered for outdoor traction.