

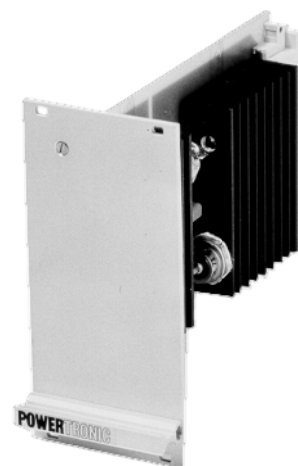
Decoupling Card EK

Heat sinks with one or two power diodes of adequate rating are mounted on this eurocard. They are mostly used to decouple parallel or redundant connected converter outputs. Other applications are e.g. decoupling of a DC/DC converter input without the built in Option L, making two independent DC sources to a redundant one. In combination with a capacitor card SK and Option H the hold-up time of a DC/DC converter can be prolonged.

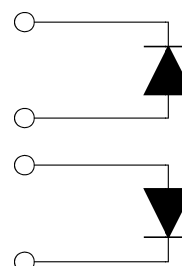
Technical Data

Operating voltage	see table
Max. continuous current	see table
Operating temperature	-20°C to +70°C
Current derating	from 45°C by 2,5%/°C from I _{max} .
Isolation	3.500VDC to heat sink 2.800VDC diode/diode
Creepage /air distances	4/3mm
Construction	eurocard 100x160mm, IP00
Front panel	3HE/u, aluminum natural colour anodized, see table
Connection	15 pole connector H15
How to order	see table

type	data of the diode(s)			front panel 1TE=5,08mm
	quantity	A max.	V max	
EK-10	1	10	320	6TE
EK-10/10	2	10	320	6TE
EK-20	1	20	160	8TE
EK-15/15	2	15	160	8TE
EK-40	1	40	160	12TE
EK-25/25	2	25	160	12TE



Block diagram



Decoupling Module EB

A high power rectifier module is mounted on a heat sink of adequate rating. It can be mounted through distance-studs M4, with the connection direct on the Isotop- case.

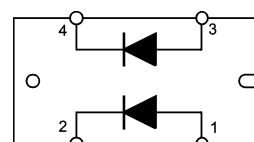
Technical Data

Operating voltage	see table
Max. continuous current	see table
Operating temperature	-20°C to +70°C
Current derating	from +45°C by 2,5%/°C from I _{max} .
Isolation	3.500VDC to heat sink
Dimensions	see table
Protection class	IP 00
Connection	M4 on Isotop- case

type	date of the diode(s)		dimensions [mm] w x h x d
	A max.	V max.	
EB-50	1 x 50A	160V	162 x 95 x 45
EB-25/25	2 x 25A	160V	162 x 95 x 45
EB-80	1 x 80A	160V	162 x 95 x 60
EB-40/40	2 x 40A	160V	162 x 95 x 60



Connection on the Isotop- case top view



Also available:

Mechanical	- within 19"- subracks BGT/BGW (page 60-61) - within 19"- cabinet (page 63)
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