Technical data Static By-Pass no.

120 416

Type:	STATIC BY-PASS 50000 EUE 120/208,3/3-48E
Circuit diagram:	61282.01E005A301
D*imensions (H x W x D):*	133 x 483 x 310 mm *without plugs/terminals)*

Input

DC voltage (auxiliary supply):	48VDC
Permissible deviation:	+ 20 %, - 15 %
Mains voltage:	120VAC
Permissible deviation:	102VAC ... 138VAC
Nominal mains frequency:	60Hz
Permissible frequency range:	±3%*sychronization range of the inverter)*
Nominal inverter voltage:	120VAC

Output

Max. output power:	25kVA
Nominal output voltage:	120VAC
V*oltage tolerance (static)*:	±15% (M*ains operation*) ±1% (*inv.- operation*)
N *ominal output frequency*:	60Hz
Max. Frequency deviation:	±3% 60Hz±0,1% (*crystal-controlled*)
Max output current:	208,3A
P*ermissible power factor*:	cosφ = 0,7 *to* cosφ = 0,8 cap.

Fuses

Applicable mains fuse:	max. 300AT / *max. 300A time delay*

Load circuit fuses: *Be sure to use the correct overcurrent discrimination when protecting load circuits with fuses.*

	Datum/date	Name/name		
Ausgestellt/issued:	04.07.2001	TBII - Telaar		Blatt 1/2
Geändert/revision:	04.03.2004	TBII - Telaar		
Geprüft/checked:	04.03.2004	EW/Hunnenbart		

Transfer times; interruption times
(DIN VDE 0558 Teil 5; IEC 146-4)

transfer times:

Mains priority:

Transfer from mains to inverter:	1,5 ms (representative value) max. 1,5 ms...5 ms *Depending on the mains phase angle*
Return transfer from inverter to mains:	0 ms *(Return transfer at zero voltage crossover)*

Inverter priority:

Transfer from inverter to mains:	max. 1,5 ms
Return transfer from mains to inverter:	0 ms *Return transfer at zero voltage crossover*

Interruption times:

The minimum interruption time is equivalent to the transfer time. The interruption time can increase, depending on supply impedance, fuses and cable length etc.

General details

permissible temperature range (without condensation):	0 °C - +40 °C
cooling mode:	*temperature controlled forced cooling*
Weight:	10 kg
overload performance of the by-pass:	4200A *for* 100 ms 8500A *for* 10 ms
Operating mode:	inverter priority operation with mains
Fault signal mode:	Sammelstörmeldung/common fault signal
MCU-satellite available:	nein/no