

<b>General Inspection plan</b>  Rubrik / Title <b>Power Electronics [Frequency converter of Soft-starter]</b>	Beteckning / Document <b>KBE IP – 120.4</b>
	Utgåva / Issue <b>1</b>
	Datum / Date <b>2006-05-17</b>
	Ersätter / Supersedes <b>IP-120 Issue 4</b>

Inspection according to codes below					
<b>Inspection Specification</b> (1st letter) A: Routine 100% Insp. S: Sample Inspection T: Type Inspection		<b>Inspection performed and documented by</b> (2nd letter) E: Manufacturer D: Supplier B: Purchaser		<b>Inspection supervised by</b> (3rd letter) B: Purchaser C: Inspector engaged by purchaser D: Supplier	
				<b>Documentation</b> (4th letter) R: Technical Report P: Inspection Record I: Certificate	
Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Type Inspection					
T1	Power efficiency Note 1	TE-R			
T2	Temperature rise test Note 1	TE-R			
T3	Unbalance load test Note 1	TE-R			
T4	Output voltage unbalance Note 1	TE-R			
T5	Current division in parallel Note 1	TE-R			
T6	Rated restored energy time Note 1	TE-R			
T7	Overload capability test Note 1	TE-R			
T8	Short-Circuit current capability Note 1	TE-R			
T9	Short-Circuit test Note 1	TE-R			
T10	Output overvoltage Note 1	TE-R			
T11					
T12					
T13					
T14					
T15					
<b>Notes</b>  1. Test according to applicable IEC 61800 standard.					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
<b>Type Inspection</b>					
T16	Periodic output voltage modulation Note 1	TE-R			
T17	Frequency modulation Note 1	TE-R			
T18	Harmonic components Note 1	TE-R			
T19	Audible noise Note 1	TE-R			
T20	Vibration and shock test Note 1	TE-R			
T21	Seismic qualification KBE EP-147	TE-R			
T22	EMC verification KBE EP-153	TE-R			
T23	Type Inspection certification KBE EP-180	TE-I			
T24	Protective earth continuity KBE EP-150	TE-R			
T25					
T26					
T27					
T28					
T29					
T30					
T31					
T32					
T33					
T34					
T35					
<b>Notes</b>					
1. Test according to applicable IEC 61800 standard.					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
<b>Routine Inspection</b>					
R1	Visual Inspection KBE EP-101	AEBP			
R2	Protective earth continuity KBE EP-150	AEBP			
R3	Interconnection cable check Note 1	AEBR			
R4	Voltage test KBE EP-102	AEBR			
R5	Insulation test KBE EP-114	AEBR			
R6	Light load test Note 1	AEBR			
R7	Checking of auxiliary devices Note 1	AEBR			
R8	AC input failure test Note 1	AEBR			
R9	AC input return test Note 1	AEBR			
R10	Full load test Note 1	AEBR			
R11	Restart Note 1	AEBR			
R12	Earth fault test Note 1	AEBR			
R13	Quality and Identity certification KBE EP-180	AE-I			
R14	Delivery Release Inspection / FAT Note 2, 3	AEBR			
R15	Site Acceptance Test (SAT) Note 3	AEBR			
R16					
R17					
R18					
R19					
<b>Notes</b> 1. Test according to applicable SS-EN standard. 2. Inspection witnessed by Purchaser before Delivery (Shipping) Release in accordance with KBE 100. 3. FAT and SAT performed according to procedures subject to prior review and approval by the Purchaser.					