

General Inspection plan Title Power Electronics [Rectifier or converter]	Document KBE IP – 120.2
	Issue 2
	Date 2020-04-20
	Supersedes Issue 1

Inspection according to codes below					
<u>Inspection Specification</u> (1st letter) A: Routine 100% Insp. S: Sample Inspection T: Type Inspection	<u>Inspection performed and documented by</u> (2nd letter) E: Manufacturer D: Supplier B: Purchaser	<u>Inspection supervised by</u> (3rd letter) B: Purchaser C: Inspector engaged by purchaser D: Supplier	<u>Documentation</u> (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	Rated restored energy time Note 1	TE-R			
T4	Overload capability test Note 1	TE-R			
T5	Short-Circuit current capability Note 1	TE-R			
T6	Short-Circuit test Note 1	TE-R			
T7	Output overvoltage Note 1	TE-R			
T8	Harmonic components Note 1	TE-R			
T9	Audible noise Note 1	TE-R			
T10	Vibration and shock test Note 1	TE-R			
T11	Seismic qualification KBE EP-147	TE-R			
T12	EMC verification KBE EP-153	TE-R			
T13	Type Inspection certification KBE EP-180	TE-I			
T14	Protective earth continuity KBE EP-150	TE-R			
T15					
Notes					
1. Test according to applicable SS-EN standard.					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Routine Inspection					
R1	Visual Inspection KBE EP-101	AE-BP			
R2	Visual inspection KBE EP-190	AE-P			
R3	Protective earth continuity KBE EP-150	AE-BP			
R4	Interconnection cable check Note 1	AE-P			
R5	Voltage test KBE EP-102	AE-P			
R6	Insulation test KBE EP-114	AE-P			
R7	Light load test Note 1	AE-P			
R8	Checking of auxiliary devices Note 1	AE-P			
R9	AC input failure test Note 1	AE-P			
R10	AC input return test Note 1	AE-P			
R11	Full load test Note 1	AE-P			
R12	Restart Note 1	AE-P			
R13	Earth fault test Note 1	AE-P			
R14	Quality and Identity certification KBE EP-180	AE-I			
R15	Delivery Release Inspection / FAT Note 2, 3	AE-BR			
R16	Site Acceptance Test (SAT) Note 3	AE-BR			
R17					
R18					
R19					
Notes <ol style="list-style-type: none"> Test according to applicable SS-EN standard. Inspection witnessed by Purchaser before Delivery (Shipping) Release in accordance with KBE 100. FAT and SAT performed according to procedures subject to prior review and approval by the Purchaser. 					