

General Inspection plan Title Metal Encapsulated switchgear and controlgear [Switchgear and controlgear, Rated voltage AC < kV or DC < 1,2 kV]	Document KBE IP – 118.1
	Issue 2
	Date 2020-04-20
	Supersedes Issue 1

Inspection according to codes below					
<u>Inspection Specification</u> (1st letter)	<u>Inspection performed and documented by</u> (2nd letter)	<u>Inspection supervised by</u> (3rd letter)	<u>Documentation</u> (4th letter)		
A: Routine 100% Insp. S: Sample Inspection T: Type Inspection	E: Manufacturer D: Supplier B: Purchaser	B: Purchaser C: Inspector engaged by purchaser D: Supplier	R: Technical Report P: Inspection Record I: Certificate		
Examination Procedures	Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark	
Type Inspection					
T1	Temperature rise test Note 1	TE-R			
T2	Dielectric strength test Note 1	TE-R			
T3	Impulse voltage test Note 1	TE-R			
T4	Short circuit test Note 1	TE-R			
T5	Protective earth continuity test KBE EP-150	TE-R			
T6	Mechanical functions test Note 1	TE-R			
T7	Enclosure protection Class Note 1	TE-R			
T8	Creepage and air-gap distances Note 1	TE-R			
T9	Test of making and breaking capacity Note 1	TE-R			
T10	Arc-over test Note 5	TEBR			
T11	Seismic Qualification KBE EP-147	TEBR			
T12	Type Inspection certification KBE EP-180	TE-I			
T13					
T14					
Notes					
1. Test according to SS-EN 60439.					
5. Test according to IEC/TR 61641.					

Examination Procedures		Codes	Inspection Procedure	Inspection Record	Deviation Report/Remark
Routine Inspection					
R1	Visual inspection KBE EP-101	AEBP			
R2	Visual inspection KBE EP-190	AE-P			
R3	Voltage Testing Note 1	AE-P			
R4	Protective earth continuity test KBE EP-150	AE-P			
R5	Mechanical operation test Note 1	AE-P			
R6	Verification of correct wiring Note 1	AE-P			
R7	Surface finish inspection KBE EP-148	AE-P			
R8	Test of auxiliary devices Note 1	AE-P			
R9	Test of earthing switches and hand- hold devices Note 1, 2	AE-P			
R10	Test of interchangeability Note 1	AE-P			
R11	Measurement of breaking and making time Note 3	AE-P			
R12	Delivery Release Inspection Note 4	AEBP			
R13	Quality and identity certification KBE EP-180	AE-I			
R14					
R15					
R16					
R17					
Notes					
<ol style="list-style-type: none"> 1. Test according to IEC 60439. 2. Test according to applicable standard. 3. Making and breaking time according to Technical Specification. 4. Inspection witnessed by Purchaser before Delivery (Shipping) Release in accordance with KBE 100. 					