

<b>General Inspection plan</b>  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) 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	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
<b>Routine Inspection</b>					
R1	Visual inspection KBE EP-101	AE-BP			
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	AE-BP			
R13	Quality and identity certification KBE EP-180	AE-I			
R14					
R15					
R16					
R17					
<b>Notes</b> <ol style="list-style-type: none"> <li>1. Test according to IEC 60439.</li> <li>2. Test according to applicable standard.</li> <li>3. Making and breaking time according to Technical Specification.</li> <li>4. Inspection witnessed by Purchaser before Delivery (Shipping) Release in accordance with KBE 100.</li> </ol>					