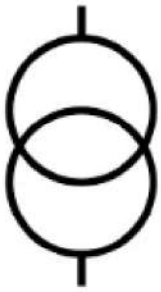
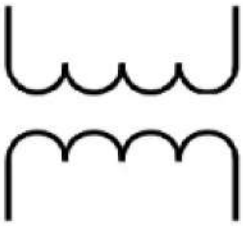
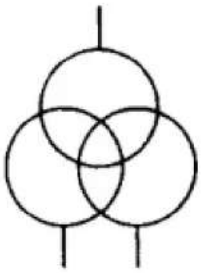
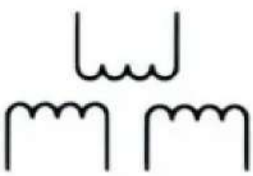
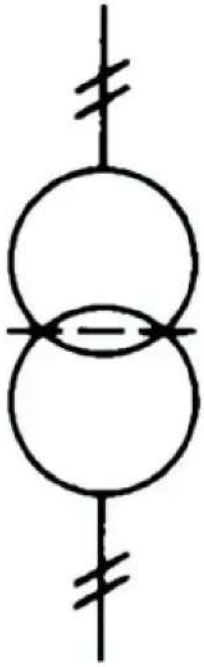
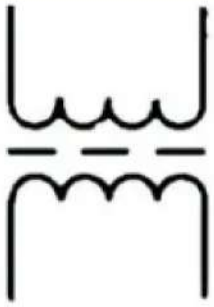
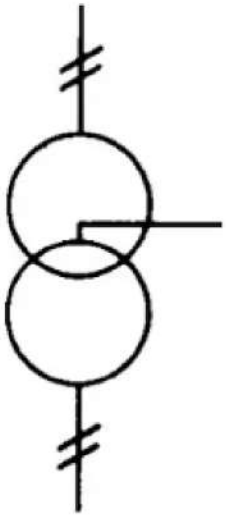
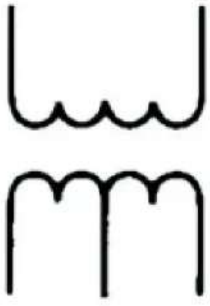
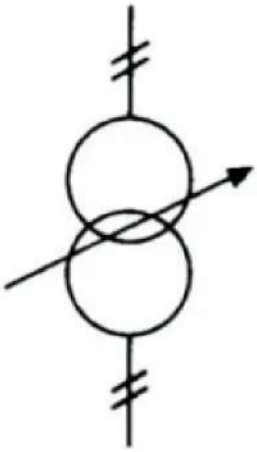
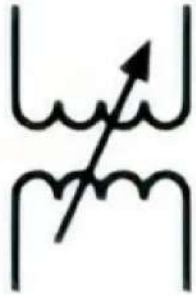
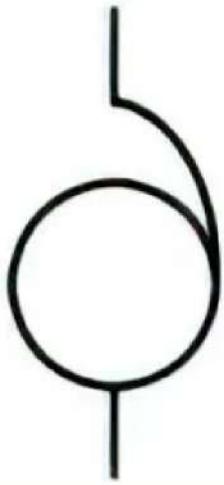
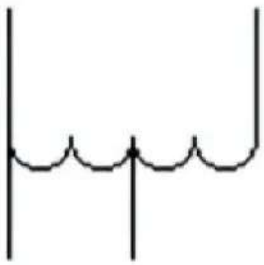
General symbols

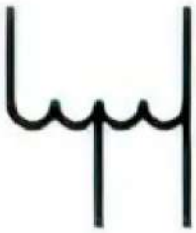
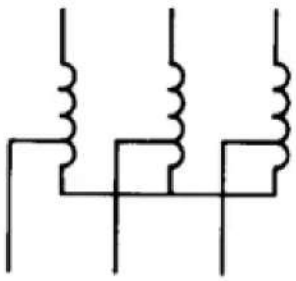
Symbol	Description
	**Name:** Transformer with two windings, general symbol. Form 1. **Source:** IEC 60617-2019, IEC 60417-2020, IEEE Std 315-1993
	**Name:** Transformer with two windings, general symbol. Form 2. **Source:** IEC 60617-2019
	**Name:** Transformer with two windings (and instantaneous voltage polarity indicators). Form 2. **Remarks:** Instantaneous currents entering the marked ends of the windings produce aiding fluxes. **Source:** IEC 60617-2019
	**Name:** Transformer with three windings, general symbol. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Transformer with three windings, general symbol. Form 2. **Source:** IEC 60617-2019

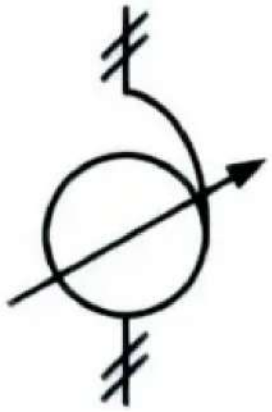
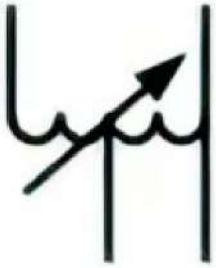
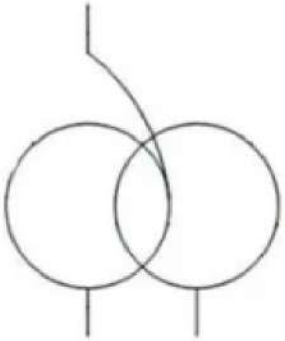
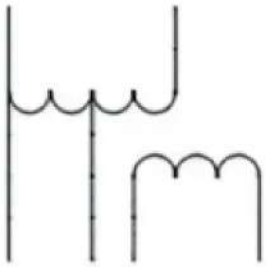
	**Name:** Transformer with two windings and screen. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Transformer with two windings and screen. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Transformer with centre tap on one winding. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Transformer with centre tap on one winding. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993

	**Name:** Transformer with variable coupling. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Transformer with variable coupling. Form 2. **Source:** IEC 60617-2019

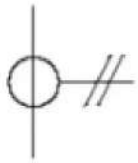
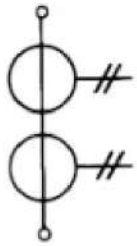
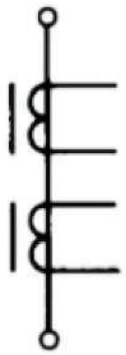
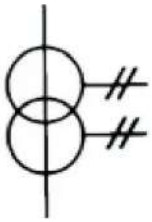
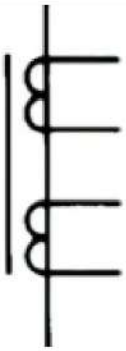
Autotransformer Symbols

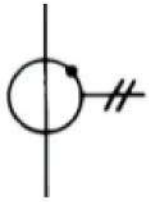
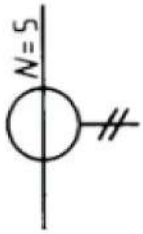
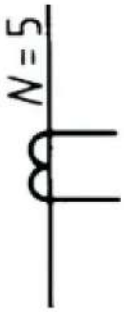
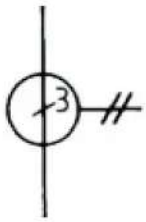
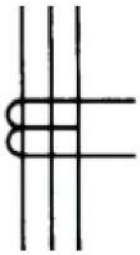
Symbol	Description
	**Name:** Autotransformer, general symbol. Form 1.
	**Name:** Autotransformer, general symbol. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993

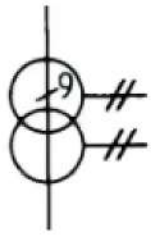
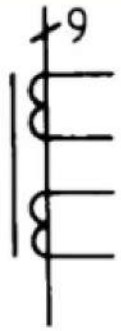
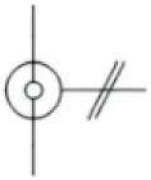
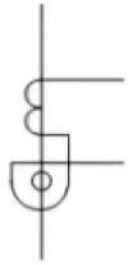
	**Name:** Autotransformer, single-phase. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Autotransformer, single-phase. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Autotransformer, three-phase, connection star. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Autotransformer, three-phase, connection star. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993

	**Name:** Autotransformer, single-phase with voltage regulation. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Autotransformer, single-phase with voltage regulation. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Autotransformer with tertiary winding, general. Form 1. **Source:** IEC 60617-2019
	**Name:** Autotransformer with tertiary winding, general. Form 2. **Source:** IEC 60617-2019

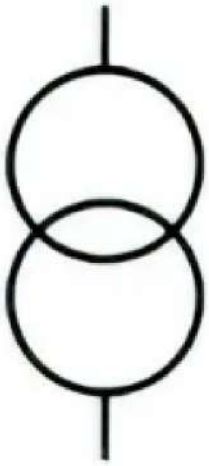
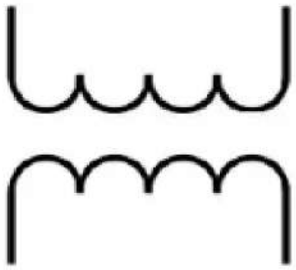
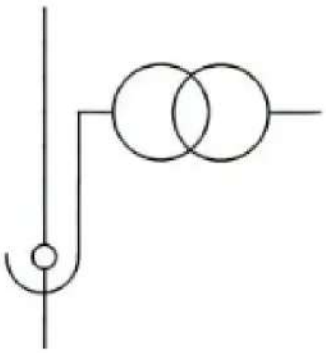
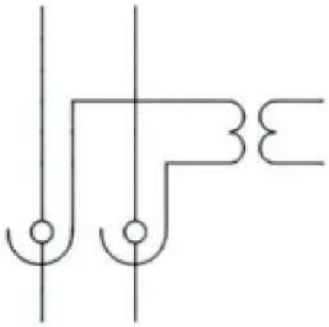
Current Transformer Symbols

Symbol	Description
	**Name:** Current transformer, general symbol. Form 1. **Alternative name:** Pulse transformer **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Current transformer, general symbol. Form 2. **Alternative name:** Pulse transformer **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Current transformer with two cores with one secondary winding on each core. Form 1. **Remarks:** The terminal symbols shown at each end of the primary circuit indicate that only a single device is represented. The terminal symbols may be omitted if terminal designations are used. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Current transformer with two cores with one secondary winding on each core. Form 2. **Remarks:** The terminal symbols shown at each end of the primary circuit indicate that only a single device is represented. The terminal symbols may be omitted if terminal designations are used. In form 2, core symbols may be omitted. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Current transformer with two secondary windings on one core. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Current transformer with two secondary windings on one core. Form 2. **Remark:** In form 2, the core symbol shall be drawn **Source:** IEC 60617-2019, IEEE Std 315-1993

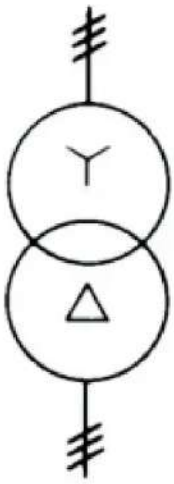
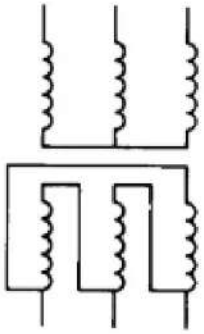
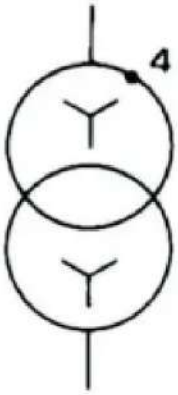
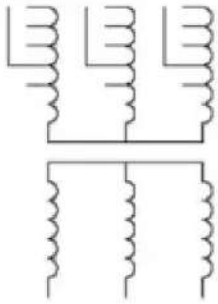
	**Name:** Current transformer with one secondary winding with one tap. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Current transformer with one secondary winding with one tap. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Current transformer with five passages of a conductor acting as a primary winding. Form 1. **Remarks:** This kind of current transformer has no built-in primary winding **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Current transformer with five passages of a conductor acting as a primary winding. Form 2. **Remarks:** This kind of current transformer has no built-in primary winding **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Pulse or current transformer with three threaded primary conductors. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Pulse or current transformer with three threaded primary conductors. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993

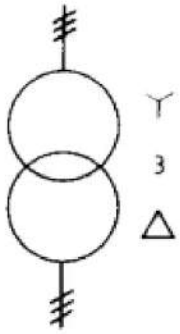
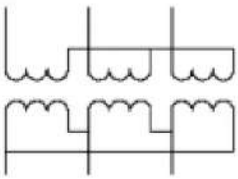
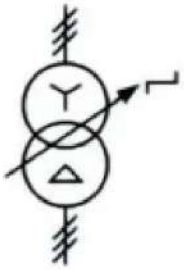
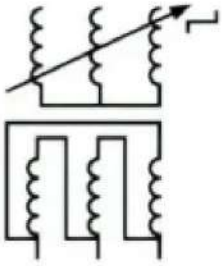
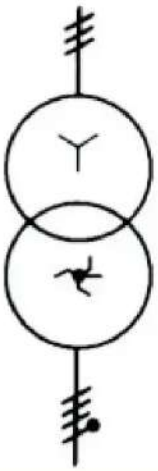
	**Name:** Pulse or current transformer with two secondary windings on the same core. Form 1. **Remark:** Shown with nine threaded primary conductors **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Pulse or current transformer with two secondary windings on the same core. Form 2. **Remark:** Shown with nine threaded primary conductors **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Bushing type current transformer. Form 1. **Source:** IEC 60617-2019
	**Name:** Bushing type current transformer. Form 2. **Source:** IEC 60617-2019

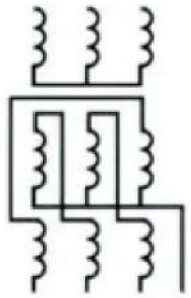
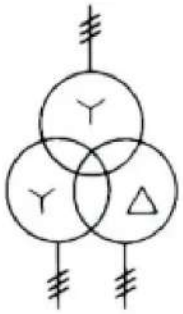
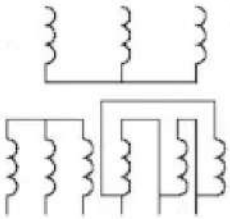
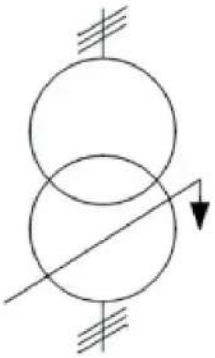
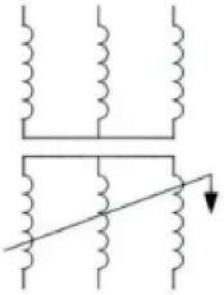
Voltage Transformer Symbols

Symbol	Description
	**Name:** Voltage transformer. Form 1. **Alternative name:** Measuring transformer **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Voltage transformer. Form 2. **Alternative name:** Measuring transformer **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Bushing type voltage transformer. Form 1 **Source:** IEC 60617-2019
	**Name:** Bushing type voltage transformer. Form 2 **Source:** IEC 60617-2019

Symbols of Three-Phase Transformers

Symbol	Description
	**Name:** Three-phase transformer, connection star-delta. Form 1. **Source:** IEC 60617-2019
	**Name:** Three-phase transformer, connection star-delta. Form 2. **Source:** IEC 60617-2019
	**Name:** Three-phase transformer with four taps, connection: star-star. Form 1. **Remarks:** Each primary winding is shown with four available connection points in addition to those at the winding-ends. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Three-phase transformer with four taps, connection: star-star. Form 2. **Remarks:** Each primary winding is shown with four available connection points in addition to those at the winding-ends. **Source:** IEC 60617-2019, IEEE Std 315-1993

	**Name:** Three-phase bank of single-phase transformers, connection star-delta. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Three-phase bank of single-phase transformers, connection star-delta. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Three-phase transformer with tap changer. Form 1. **Remark:** On-load tap changer, connection star-delta. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Three-phase transformer with tap changer. Form 2. **Remark:** On-load tap changer, connection star-delta. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Three-phase transformer, connection star-zigzag with the neutral brought out. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993

	**Name:** Three-phase transformer, connection star-zigzag with the neutral brought out. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Three-phase transformer, connection star-star-delta. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Three-phase transformer, connection star-star-delta. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-1993
	**Name:** Phase-shifting transformer, three-phase. Form 1. **Source:** IEC 60617-2019, IEEE Std 315-19
	**Name:** Phase-shifting transformer, three-phase. Form 2. **Source:** IEC 60617-2019, IEEE Std 315-19