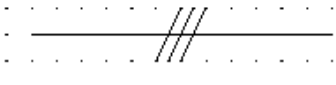
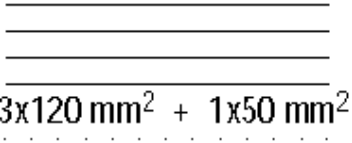





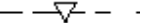

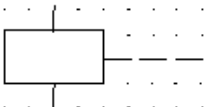
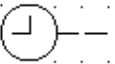

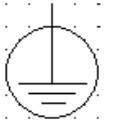

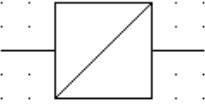


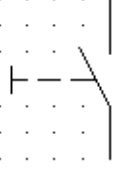


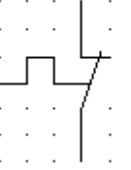
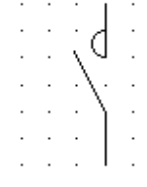
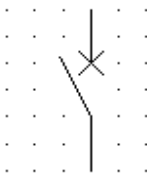
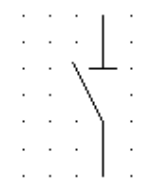
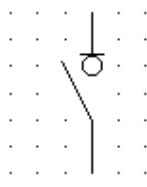
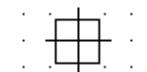

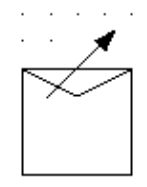
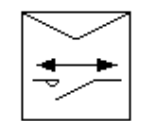
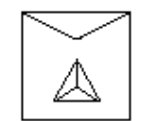
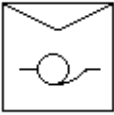
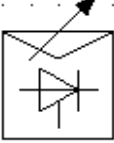
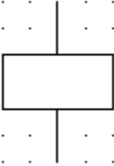
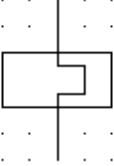



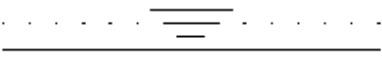




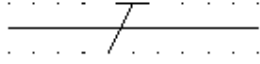



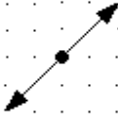









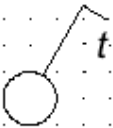

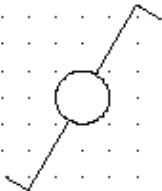

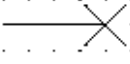
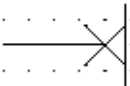

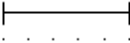
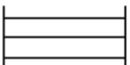

SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	Group of connections (number of connections indicated)	S00002
<p data-bbox="414 378 673 409">3N ~ 50 Hz 400 V</p>  <p data-bbox="373 499 738 541">3x120 mm² + 1x50 mm²</p>	Three-phase circuit	S00005
	Flexible connection	S00006
	Connection point	S00016
	T-connection	S00020
	Thermal effect	S00120
	Electromagnetic effect	S00121
	Mechanical interlock	S00154
	Actuator, manual, general symbol	S00167
	Actuator (actuated by electromagnetic effect)	S00189
	Actuator (operated by electric clock)	S00193
	Earth, general symbol	S00200
	Protective earthing	S00202

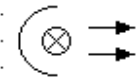



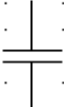



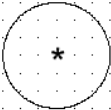

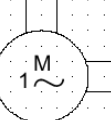
SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	Fault	S00208
	Converter, general symbol	S00213
	Make contact, general symbol; Switch, general symbol	S00227
	Break contact	S00229
	Switch, manually operated, general symbol	S00253
	Switch, manually operated, push-button, automatic return	S00254
	Switch, manually operated, turning, stay-put	S00256
	Thermal switch, self-operating, break contact	S00265

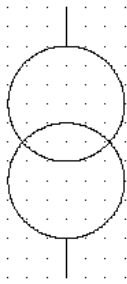
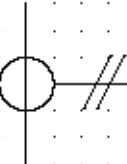
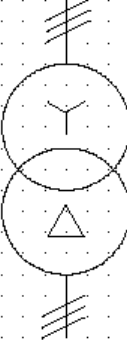

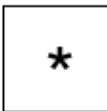
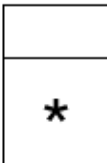

SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	<p>Contactor; Main make contact of a contactor</p>	<p>S00284</p>
	<p>Circuit breaker</p>	<p>S00287</p>
	<p>Disconnecter; Isolator</p>	<p>S00288</p>
	<p>Switch-disconnector; On-load isolating switch</p>	<p>S00290</p>
	<p>Trip-free mechanism</p>	<p>S00293</p>
	<p>Motor starter, general symbol</p>	<p>S00297</p>
	<p>Starter-regulator</p>	<p>S00299</p>
	<p>Direct-on-line starter, reversing</p>	<p>S00301</p>
	<p>Star-delta starter</p>	<p>S00302</p>



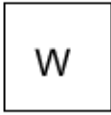
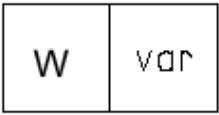
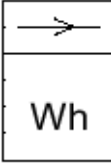
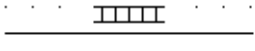


SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	Starter with auto-transformer	S00303
	Starter-regulator with thyristors	S00304
	Operating device, general symbol; Relay coil, general symbol	S305
	Operating device of a thermal relay	S00325
	Measuring relay; Device related to a measuring relay	S00327
	Differential current-measuring relays	S00331
	Fuse, general symbol	S00362
	Underground line	S00407
	Overhead line	S00409
	Line within a duct; Line within a pipe	S00410

SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	Manhole for underground chamber	S00412
	Neutral conductor	S00446
	Protective conductor	S00447
	Three-phase wiring with neutral conductor and protective conductor	S00449
	Wiring going upwards	S00450
	Wiring going downwards	S00451
	Wiring passing through vertically	S00452
	Box, general symbol	S00453
	Socket outlet (power) general symbol	S00457
	Multiple socket outlet (power)	S00458
	Socket outlet (power) with protective contact	S00460
	Socket outlet (power) with single-pole switch	S00462

SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	Switch, general symbol	S00466
	Switch with pilot light	S00467
	Period limiting switch, single pole	S00468
	Two pole switch	S00469
	Two-way single pole switch	S00470
	Push-button	S00475
	Lighting outlet position The symbol is shown with wiring	S00481
	Lighting outlet on wall The symbol is shown with wiring from the left.	S00482
	Lamp, general symbol	S00483
	Luminaire, general symbol; Fluorescent lamp, general symbol	S00484
	Luminaire with many fluorescent tubes Shown with three fluorescent tubes.	S00485
	Projector, general symbol	S00487

SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	Spot light	S00488
	Flood light	S00489
	Emergency lighting luminaire on special circuit	S00491
	Self-contained emergency lighting luminaire	S00492
	Capacitor, general symbol	S00567
	Three-phase winding, delta	S00806
	Three-phase winding, star	S00808
	Three-phase winding, star, with neutral brought out	S00809
	Machine, general symbol	S00819
	Induction motor, three-phase, squirrel cage	S00836
	Induction motor, single-phase, squirrel-cage Ends of split-phase winding brought out.	S00837

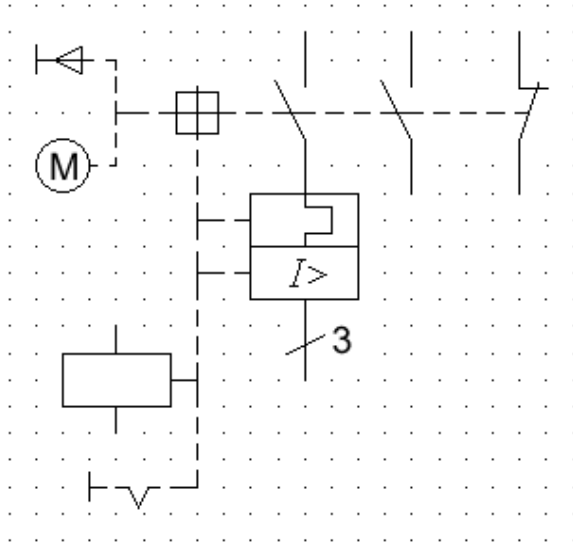
SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	Transformer with two windings, general symbol	S00841
	Current transformer, general symbol	S00850
	Three-phase transformer, connection star-delta	S00858
	Indicating instrument, general symbol Application note A00144	S00910
	Recording instrument, general symbol Application note A00144	S00911
	Integrating instrument, general symbol Application note A00144	S00912
	Voltmeter	S00913

SIMBOLO – IEC 60617-3	DESCRIPCION	REFERENCIA IEC
	Varmeter	S00916
	Power-factor meter	S00917
	Recording wattmeter	S00928
	Combined recording wattmeter and varmeter	S00929
	Watt-hour meter, measuring energy transmitted in one direction only	S00934
	Connection on cable ladder	S01449
	Connection within cable tray	S01450
	Connection within wall mounted cable channel	S01451

APLICACIONES

S00294

Trip-free mechanism, application



Three-pole mechanical switching device, operated by motor or manually, with trip-free mechanism, and: - thermal overload release
- overcurrent release
- hand release with detent
- coil for remote release
- one make and one break auxiliary contact.

Application note A00144

The asterisk within the symbol shall be replaced with one of the following:

- the letter symbol for the unit of the quantity measured, or a multiple or sub-multiple thereof (see examples S00913 and S00919);
- the letter symbol for the quantity measured (see examples S00917 and S00918);
- a chemical formula (see example S00925);
- a graphical symbol (see example S00920).

The symbol or formula used shall be related to the information displayed by the instrument regardless of the means used to obtain the information.