

PRODUCT DATASHEET

ST Series

Low-voltage protection current transformers

**200-6300 A**

PRIMARY CURRENT

5 A / 1 A

SECONDARY OUTPUT

AC 0.66 kV

RATED VOLTAGE

PRODUCT OVERVIEW

ST Series current transformers are designed for low-voltage relay protection circuits, including installations with multiple busbars. They detect overload and short-circuit signals for protection relays and motor protection units. The range offers different accuracy classes, accuracy limit factors and window sizes.

CONSTRUCTION & APPLICATION

Flame-retardant polycarbonate housing; oriented cold-rolled silicon steel core; high-strength enamelled secondary winding. Compact, lightweight construction for straightforward installation. Use in locations protected from rain, snow, serious pollution and severe vibration.

ST40

Technical parameters & dimensions

PRODUCT



Busbar size / quantity

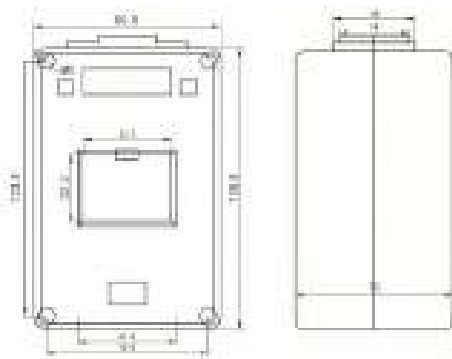
40 x 10 / 1-2

Accuracy class: 5P / 10P

Capacity by accuracy limit factor

P/S ratio	10	15	20
150/5 A	2.5	-	-
200/5 A	2.5	-	-
250/5 A	2.5	-	-
300/5 A	2.5	2.5	-
400/5 A	3.75	2.5	-
500/5 A	5	2.5	2.5
600/5 A	5	2.5	2.5
750/5 A	-	5	2.5
800/5 A	-	5	2.5
100/1 A	2.5	-	-
120/1 A	2.5	-	-
150/1 A	2.5	-	-
200/1 A	5	2.5	2.5
250/1 A	5	2.5	2.5
300/1 A	5	2.5	2.5
400/1 A	10	5	5
500/1 A	10	5	5
600/1 A	15	10	5
750/1 A	15	10	10
800/1 A	15	10	10

OUTLINE DIMENSIONS



Original manufacturer dimension drawing. Dimensions and geometry retained from the supplied datasheet.

P/S = primary / secondary current. A dash indicates no value listed in the source.

ST50

Technical parameters & dimensions

PRODUCT



Busbar size / quantity

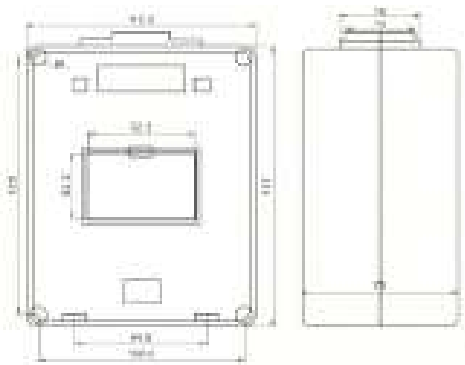
50 x 10 / 1-2

Accuracy class: 5P / 10P

Capacity by accuracy limit factor

P/S ratio	10	15	20
150/5 A	2.5	-	-
200/5 A	2.5	-	-
250/5 A	2.5	-	-
300/5 A	2.5	2.5	-
400/5 A	3.8	2.5	-
500/5 A	5	2.5	2.5
600/5 A	5	2.5	2.5
750/5 A	-	5	2.5
800/5 A	-	5	2.5
100/1 A	2.5	-	-
120/1 A	2.5	-	-
150/1 A	2.5	-	-
200/1 A	5	2.5	2.5
250/1 A	5	2.5	2.5
300/1 A	5	2.5	2.5
400/1 A	10	5	5
500/1 A	10	5	5
600/1 A	15	10	5
750/1 A	15	10	10
800/1 A	15	10	10

OUTLINE DIMENSIONS



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source.

ST60

Technical parameters & dimensions

PRODUCT



Busbar size / quantity

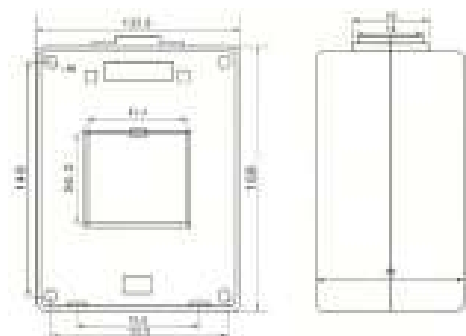
60 x 10 / 1-2

Accuracy class: 5P / 10P

Capacity by accuracy limit factor

P/S ratio	10	15	20
200/5 A	2.5	2.5	-
250/5 A	2.5	2.5	2.5
300/5 A	2.5	2.5	2.5
400/5 A	5	2.5	2.5
500/5 A	5	5	2.5
600/5 A	5	5	2.5
750/5 A	10	5	5
800/5 A	10	5	5
1000/5 A	10	7.5	5
1200/5 A	15	7.5	5
1500/5 A	15	10	5
200/1 A	5	2.5	2.5
250/1 A	5	2.5	2.5
300/1 A	5	2.5	2.5
400/1 A	10	5	5
500/1 A	10	5	5
600/1 A	15	10	5
750/1 A	15	10	10
800/1 A	15	10	10
1000/1 A	15	10	5
1200/1 A	20	10	5
1500/1 A	25	15	10

OUTLINE DIMENSIONS



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ST80

Technical parameters & dimensions

PRODUCT



Busbar size / quantity

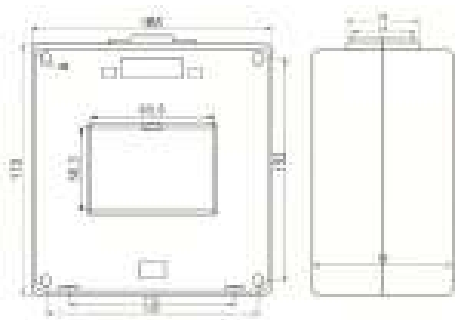
80 x 10 / 1-2

Accuracy class: 5P / 10P

Capacity by accuracy limit factor

P/S ratio	10	15	20
300/5 A	2.5	-	-
400/5 A	5	2.5	2.5
500/5 A	5	5	2.5
600/5 A	5	5	2.5
750/5 A	10	5	5
800/5 A	10	5	5
1000/5 A	15	7.5	5
1200/5 A	15	7.5	5
1500/5 A	15	10	5
2000/5 A	15	10	5
300/1 A	5	-	-
400/1 A	10	5	-
500/1 A	15	5	5
600/1 A	15	10	5
750/1 A	15	10	5
800/1 A	15	10	5
1000/1 A	20	10	5
1200/1 A	20	10	5
1500/1 A	20	10	5
2000/1 A	20	10	5

OUTLINE DIMENSIONS



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ST100

Technical parameters & dimensions

PRODUCT



Busbar size / quantity

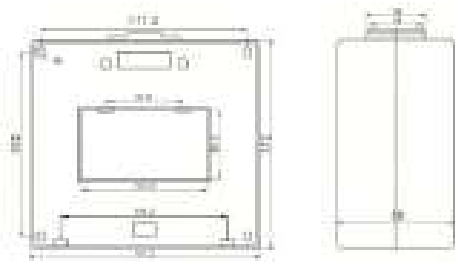
100 x 10 / 1-2

Accuracy class: 5P / 10P

Capacity by accuracy limit factor

P/S ratio	10	15	20
400/5 A	5	2.5	2.5
500/5 A	5	5	2.5
600/5 A	10	5	2.5
750/5 A	10	5	5
800/5 A	10	5	5
1000/5 A	10	7.5	5
1200/5 A	15	7.5	5
1500/5 A	15	10	5
2000/5 A	15	10	5
2500/5 A	15	10	5
3000/5 A	15	10	5
300/1 A	5	5	2.5
400/1 A	10	5	5
500/1 A	10	10	5
600/1 A	15	10	7.5
750/1 A	15	15	10
800/1 A	15	15	10
1000/1 A	20	15	10
1200/1 A	20	15	10
1500/1 A	25	15	10
2000/1 A	30	20	15
2500/1 A	20	10	7.5
3000/1 A	20	10	7.5

OUTLINE DIMENSIONS



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ST135

Technical parameters & dimensions

PRODUCT



Busbar size / quantity

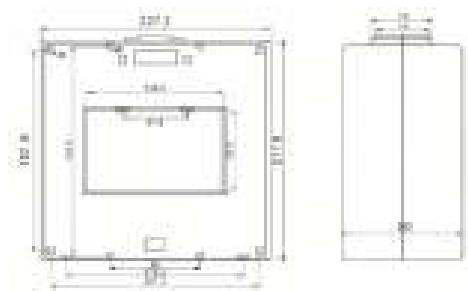
130 x 10 / 2-3

Accuracy class: 5P / 10P

Capacity by accuracy limit factor

P/S ratio	10	15	20
750/5 A	10	5	5
800/5 A	10	5	5
1000/5 A	10	7.5	5
1200/5 A	15	7.5	5
1500/5 A	15	10	5
2000/5 A	15	10	5
2500/5 A	15	10	5
3000/5 A	15	10	5
4000/5 A	15	10	5
5000/5 A	15	10	5
750/1 A	20	15	10
800/1 A	20	15	10
1000/1 A	20	20	15
1200/1 A	30	25	15
1500/1 A	30	15	10
2000/1 A	30	20	15
2500/1 A	30	25	20
3000/1 A	30	15	7.5
4000/1 A	30	20	10
5000/1 A	30	25	10

OUTLINE DIMENSIONS



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Specifications & details

ST Series / General product information

ELECTRICAL & ENVIRONMENTAL PARAMETERS

Parameter	Specification
Primary current	200-6300 A
Secondary current	5 A, 1 A, 0.1 A, 0.05 A
Rated voltage	AC 0.66 kV
Ambient temperature	-30°C to +70°C
Power-frequency withstand voltage	3000 V / 1 min / 50 Hz

REFERENCED STANDARDS

IEC 61869-2 / EN 60044-1 / VDE 0414-44-1 / GB 1208-2006

PRODUCT DETAILS



Laser marking label



Rust-proof nut treatment



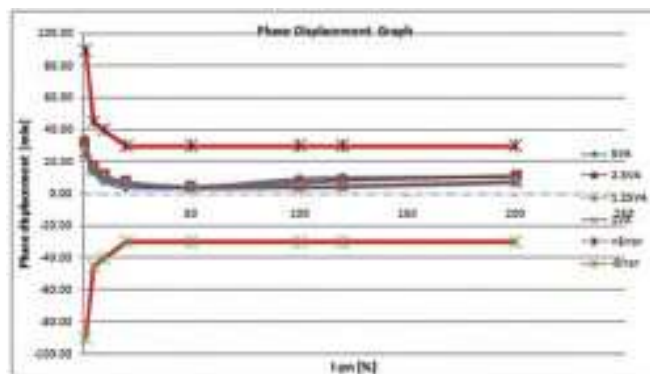
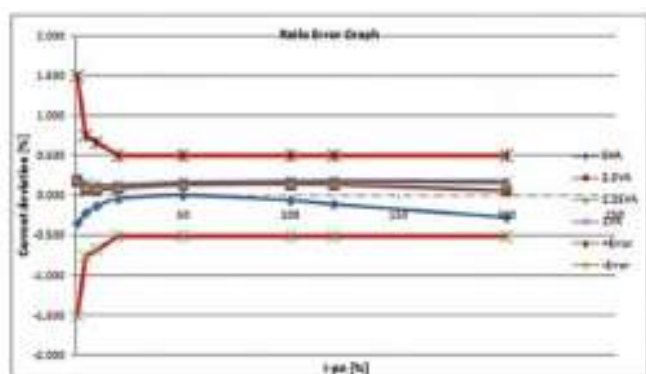
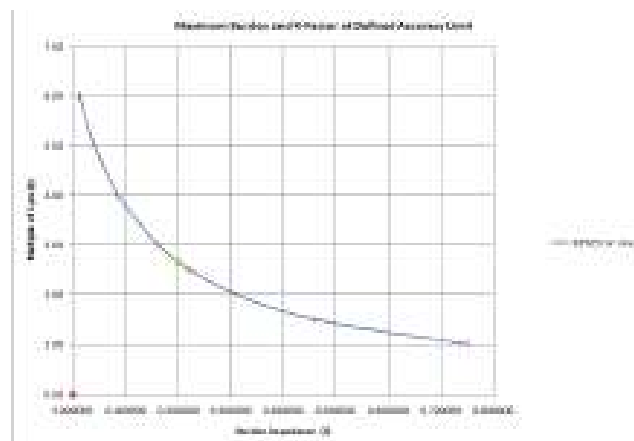
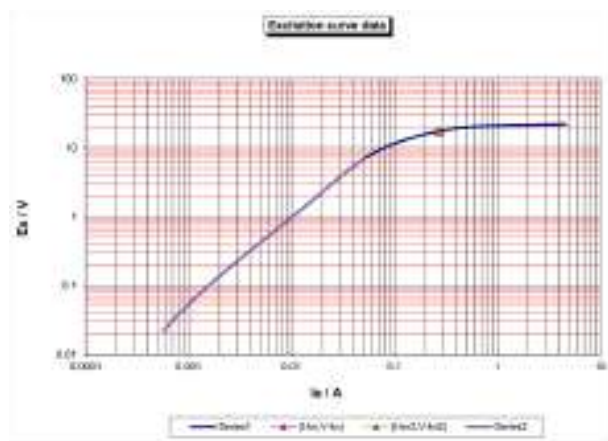
Available configurations

Housing: flame-retardant injection-moulded polycarbonate. The source states a housing temperature resistance of “140” without specifying a unit.

Performance & installation

Original performance curves and mounting illustrations

ACCURACY CLASS CHARACTERISTICS



INSTALLATION

