



SANA
ISATIS KAVIR

 PFIFFNER



SANA ISATIS KAVIR
Advanced Solutions for your Power

About us

Since the founding of Sana Isatis Kavir in 2010 up to the present day we have always tried to grow and improve our products and services capabilities. Now a days we are working with the high class companies to present the best in consulting, supplying, manufacturing, supervising, in stallation, erection, test and whatever you need as after sales services. These are our advanced solutions for you. We delivered our customers a lot of transformers and relevant services during these years in variety applications.

We delivered our customers a lot of transformers and relevant services during these years in variety applications.

Sana Isatis Kavir presents the right transformer for every need from control transformers to power transformers with various ratings. The transformer range covers all mainstream requirements like low noise emission and enviromentally friendly products with alternative insulation liquids also embedded in a complete power system from generation via transmission to distribution networks. The long-term reliability of a transformer begins with its initial high quality. Then transformer lifecycle managment measures maintain that quality throughout the transformer's entire life.

Systematic quality

Our quality management system certified according to ISO 9001 is in effect in all factories where the transformers are manufactured. It is organized in the same way everywhere, so quality is the logical result of a uniform philosophy.

Reliability right from the start

The transformers are subject to very stringent final approval tests performed at the place of manufacture. Highly specialized test laboratories are available for this purpose in all factories. The result: maximum availability and reliability in field use.

MV INSTRUMENT TRANSFORMERS



1.

Voltage transformer single-pole GD 12 – 36

Epoxy resin-insulated, block design
For indoor application
Partial discharge free at operating voltage
Type-approved according to IEC
Free choice of mounting position
Tropicalised
Maintenance-free



2.

Voltage transformer double-pole GD2 12 – 36

Epoxy resin-insulated, block design
For indoor application
Partial discharge free at operating voltage
Type-approved according to IEC
Free choice of mounting position
Tropicalised
Maintenance-free

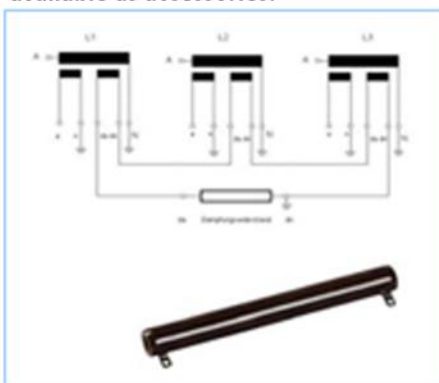


3.

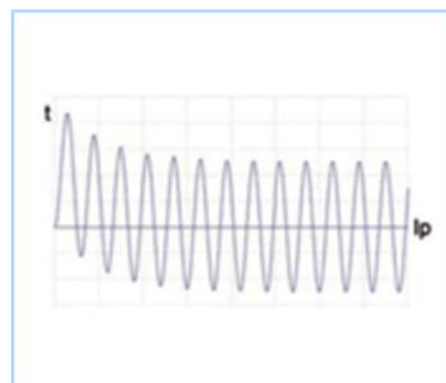
Current transformer AD 12 – 36

Epoxy resin-insulated, block design
For indoor application
Partial discharge free at operating voltage
Type-approved according to IEC
Free choice of mounting position
Tropicalised
Maintenance-free

Available with secondary for open delta connection.
Appropriate resistances for ferro-resonance damping
available as accessories.



Current transformer short-time current-proof even for
short-circuited secondary windings according to IEC



Indoor Current Transformers



Design	Current transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible	Current transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible	Current transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible
Um(kV)	up to 12 kV	up to 24 kV	up to 36 kV
Type	ADA 12, 12 S ADD 12, 12 S ADF 12, 12 S ADG 12 S, 12 SS ADH 12 S, 12 SS ADM 12 S	ADA 24, 24 S ADC 24 S, 24 SS	ADA 36, 36 S ADB 36, 36 S ADD 36 ADE 36

MV INSTRUMENT TRANSFORMERS

Indoor Current Transformer

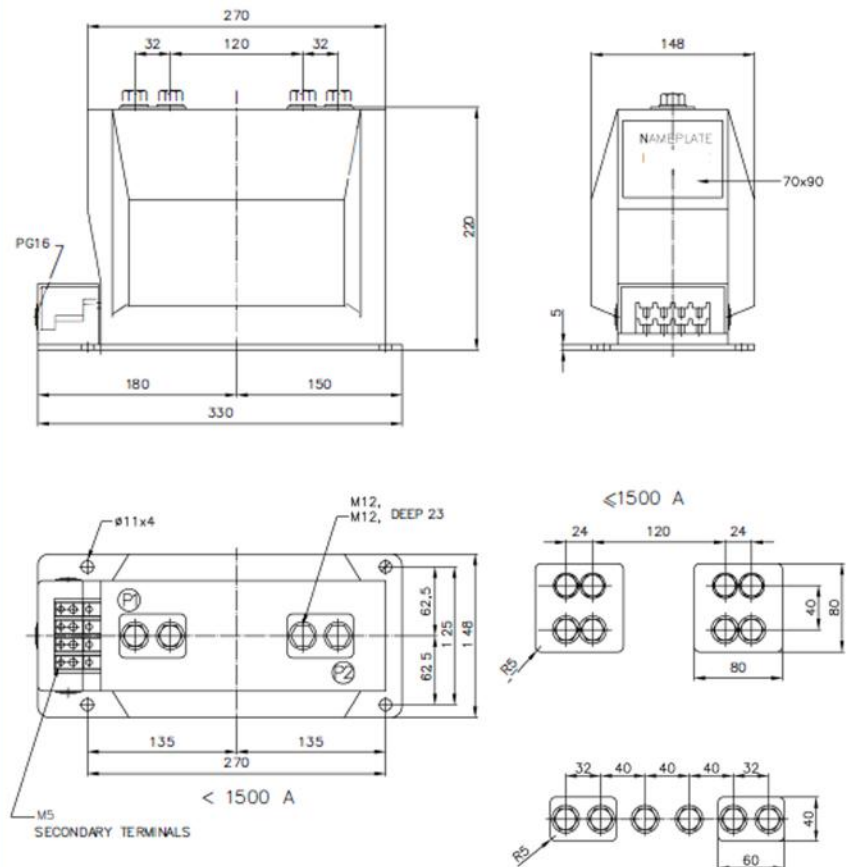
ADA 12

ADA 12 S



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current



TECHNICAL DATA

Max Operating Voltage, kV
Rated Power Freq. Withstand Voltage (1 min)
Rated Impulse Test Voltage (1.2/50 μ s)
Rated Frequency
Primary Rated Current
Primary Reconnection
Output for Accuracy Classes
Rated Short Time Thermal Current I_{th} (I_s)
Rated Dynamic Current I_{dyn}
Insulation Class
Ambient Temperature
Standard
Weight

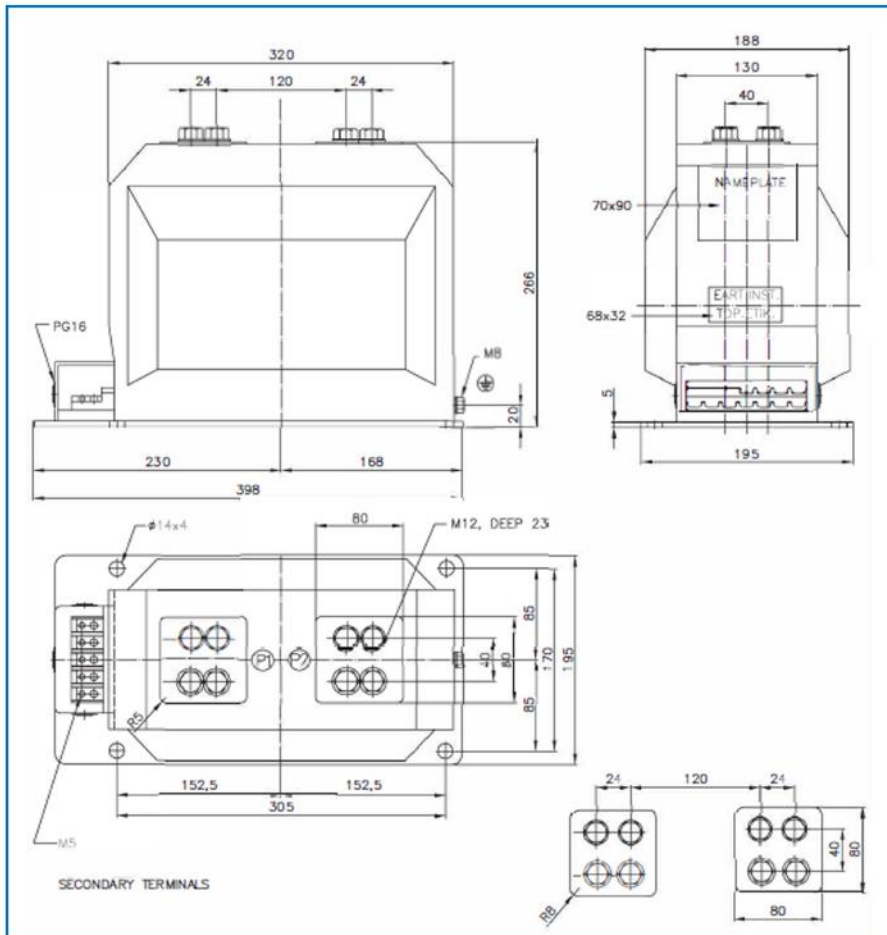
ADA 12 / ADA 12 S

7.2kV / 12 kV / 17.5 kV
20 kV / 28 kV / 38 kV
60 kV / 75 kV / 95 kV
50 Hz, 60 Hz
10-2500 A
2x10 A – 2x600 A
1A, 5A
Max. (60 kA, 1000 I_n)
2.5xI_{th}, 2.6xI_{th} max. 120 kA
E
-5.....+40° C
TS, IEC, VDE, ANSI, IEEE
25 kg

MV INSTRUMENT TRANSFORMERS

Indoor Current Transformer

ADD 12 S



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current

TECHNICAL DATA

Max Operating Voltage, kV
Rated Power Freq. Withstand Voltage (1 min)
Rated Impulse Test Voltage (1.2/50 μ s)
Rated Frequency
Primary Rated Current
Primary Reconnection
Output for Accuracy Classes
Rated Short Time Thermal Current I_{th} (Is)
Rated Dynamic Current I_{dyn}
Insulation Class
Ambient Temperature
Standard
Weight

ADD 12 S

7.2 kV / 12 kV / 17.5 kV
20 kV / 28 kV / 38 kV
60 kV / 75 kV / 95 kV
50 Hz, 60 Hz
10-2500 A
2x10 A – 2x600 A
1A, 5A
Max. (60 kA, 1000 In)
2.5x I_{th} , 2.6x I_{th} max. 120 kA
E
-5.....+40° C
TS, IEC, VDE, ANSI, IEEE
35 kg

MV INSTRUMENT TRANSFORMERS

Indoor Current Transformer

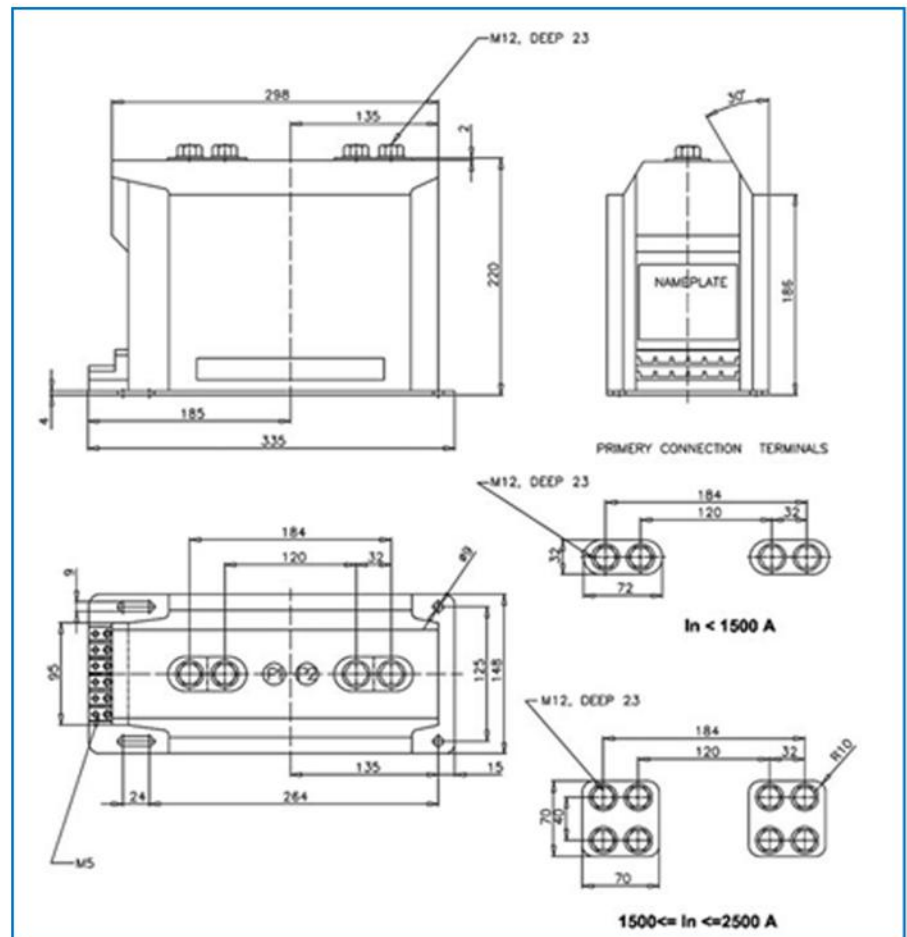
ADF 12

ADF 12 S



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current



TECHNICAL DATA

Max Operating Voltage, kV	7.2kV / 12 kV / 17.5 kV
Rated Power Freq. Withstand Voltage (1 min)	20 kV / 28 kV / 38 kV
Rated Impulse Test Voltage (1.2/50 µs)	60 kV / 75 kV / 95 kV
Rated Frequency	50 Hz, 60 Hz
Primary Rated Current	10-2500 A
Primary Reconnection	2x10 A – 2x600 A
Output for Accuracy Classes	1A, 5A
Rated Short Time Thermal Current Ith (Is)	Max. (60 kA, 1000 In)
Rated Dynamic Current Idyn	2.5xIth, 2.6xIth max. 120 kA
Insulation Class	E
Ambient Temperature	-5.....+40° C
Standard	TS, IEC, VDE, ANSI, IEEE
Weight	22-25 kg

ADF 12 / ADF 12 S

MV INSTRUMENT TRANSFORMERS

Indoor Current Transformer

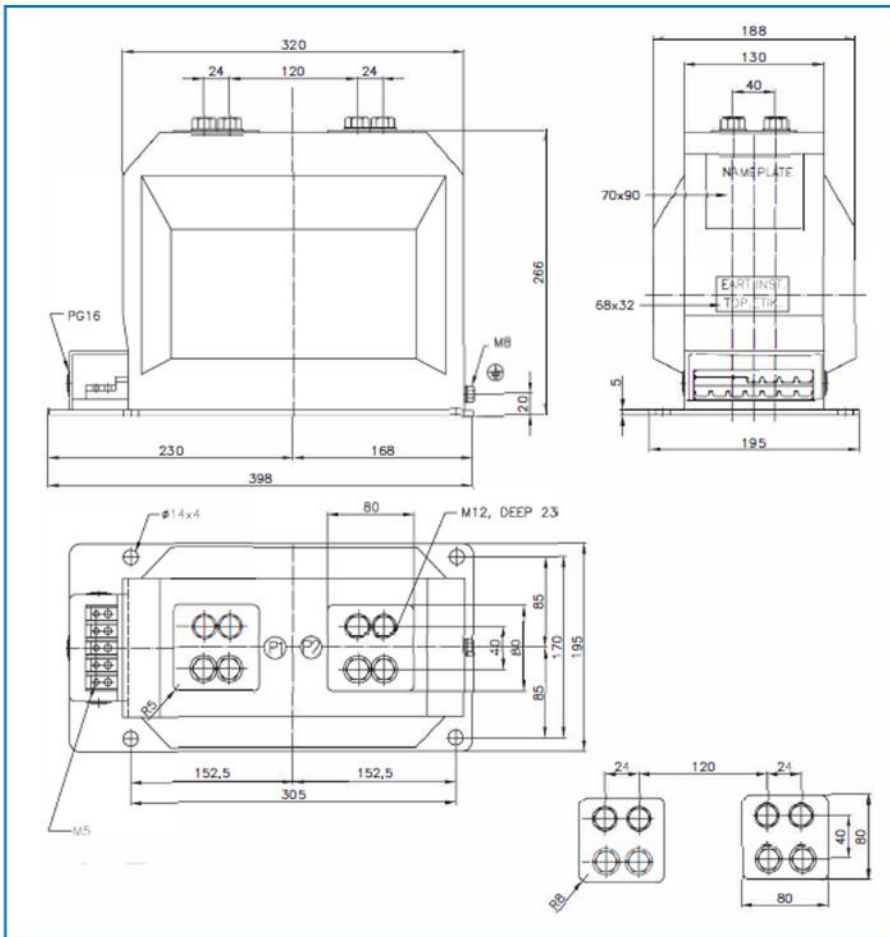
ADG 12 S

ADG 12 SS



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current



TECHNICAL DATA

Max Operating Voltage, kV

Rated Power Freq. Withstand Voltage (1 min)

Rated Impulse Test Voltage (1.2/50 μ s)

Rated Frequency

Primary Rated Current

Primary Reconnection

Output for Accuracy Classes

Rated Short Time Thermal Current I_{th} (Is)

Rated Dynamic Current I_{dyn}

Insulation Class

Ambient Temperature

Standard

Weight

ADG 12 S/ ADG 12 SS

7.2 kV / 12 kV / 17.5 kV

20 kV / 28 kV / 38 kV

60 kV / 75 kV / 95 kV

50 Hz, 60 Hz

10-2500 A

2x10 A – 2x600 A

1A, 5A

Max. (60 kA, 1000 In)

2.5x1th, 2.6x1th max. 120 kA

E

-5.....+40° C

TS, IEC, VDE, ANSI, IEEE

35 kg

MV INSTRUMENT TRANSFORMERS

Indoor Current Transformer

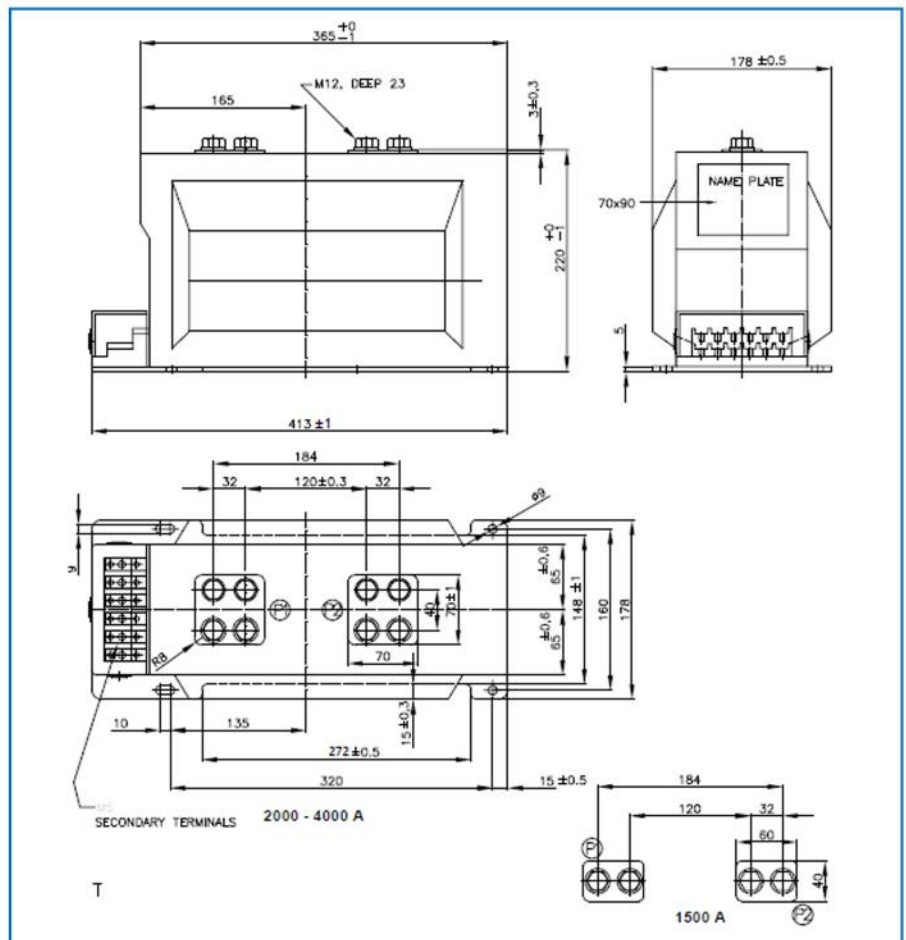
ADH 12 S

ADH 12 SS



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current



TECHNICAL DATA

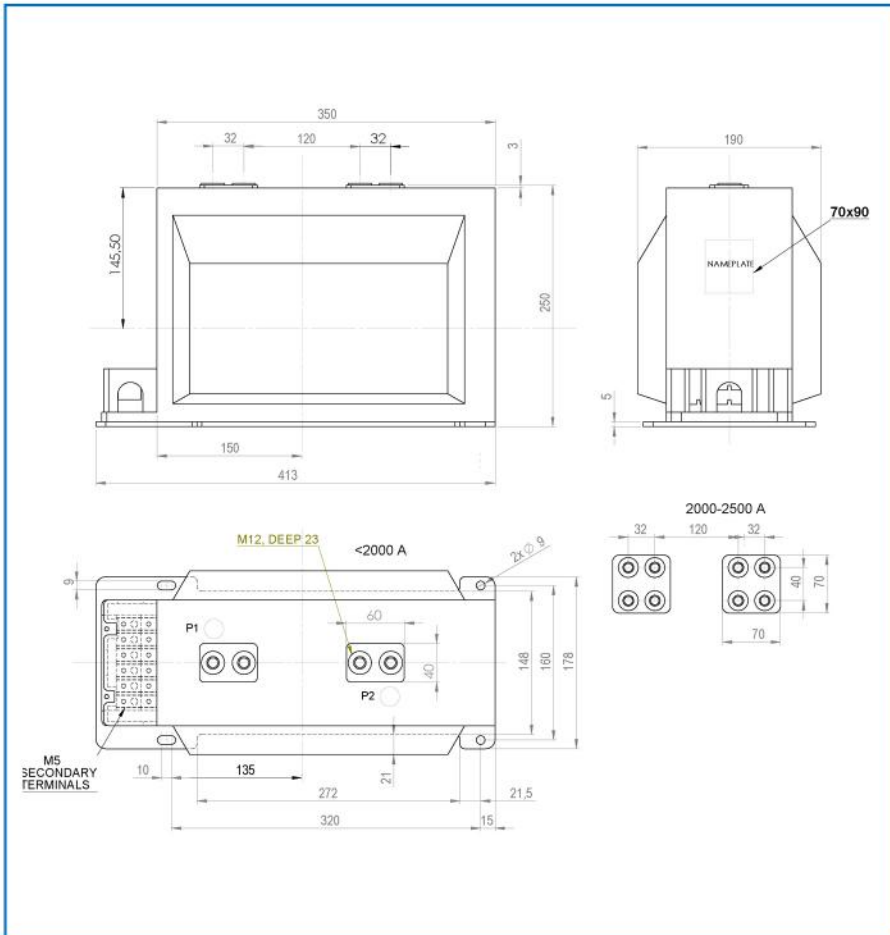
Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μ s)
 Rated Frequency
 Primary Rated Current
 Primary Reconnection
 Output for Accuracy Classes
 Rated Short Time Thermal Current I_{th} (Is)
 Rated Dynamic Current I_{dyn}
 Insulation Class
 Ambient Temperature
 Standard
 Weight

ADH 12 S / ADH 12 SS

7.2 kV / 12 kV / 17.5 kV
 20 kV / 28 kV / 38 kV
 60 kV / 75 kV / 95 kV
 50 Hz, 60 Hz
 10-4000 A
 2x10 A – 2x600 A
 1A, 5A
 Max. (60 kA, 1000 In)
 2.5x I_{th} , 2.6x I_{th} max. 120 kA
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 30 kg

Indoor Current Transformer

ADM 12 S



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current

TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μ s)
 Rated Frequency
 Primary Rated Current
 Primary Reconnection
 Output for Accuracy Classes
 Rated Short Time Thermal Current I_{th} (Is)
 Rated Dynamic Current I_{dyn}
 Insulation Class
 Ambient Temperature
 Standard
 Weight

ADM 12 S

7.2 kV / 12 kV / 17.5 kV
 20 kV / 28 kV / 38 kV
 60 kV / 75 kV / 95 kV
 50 Hz, 60 Hz
 10-4000 A
 2x10 A – 2x600 A
 1A, 5A
 Max. (60 kA, 1000 In)
 2.5x I_{th} , 2.6x I_{th} max. 120 kA
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 35 kg

MV INSTRUMENT TRANSFORMERS

Indoor Current Transformer

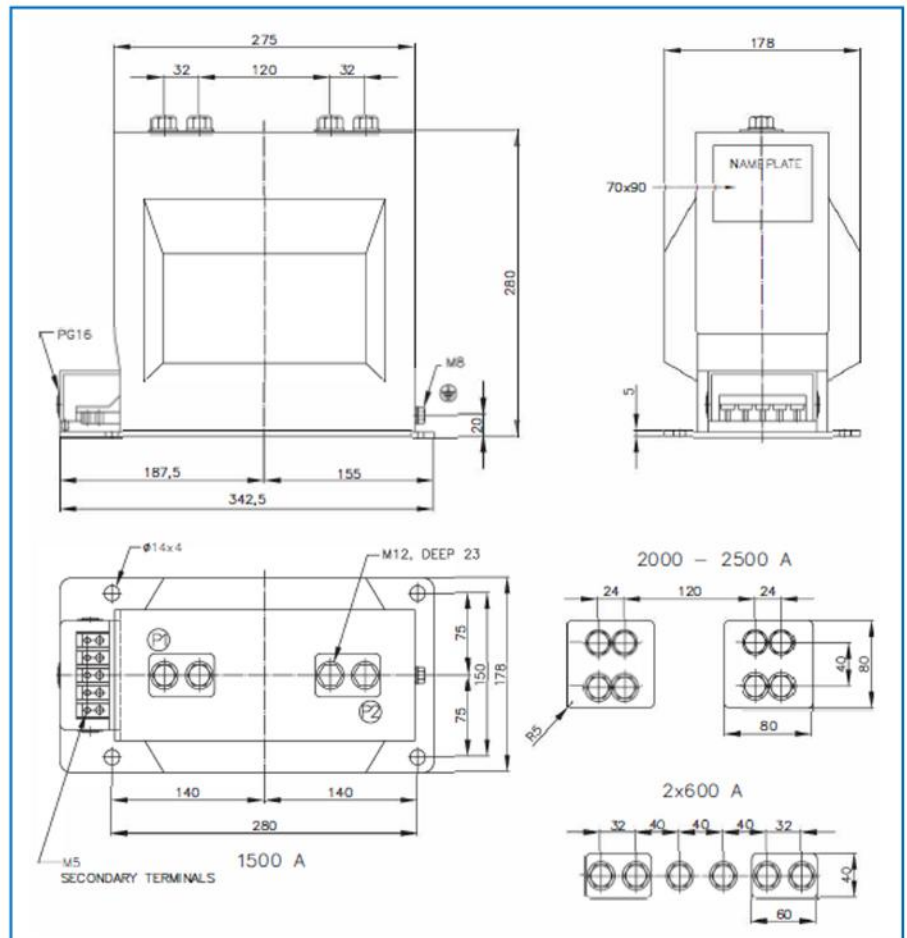
ADA 24

ADA 24 S



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current



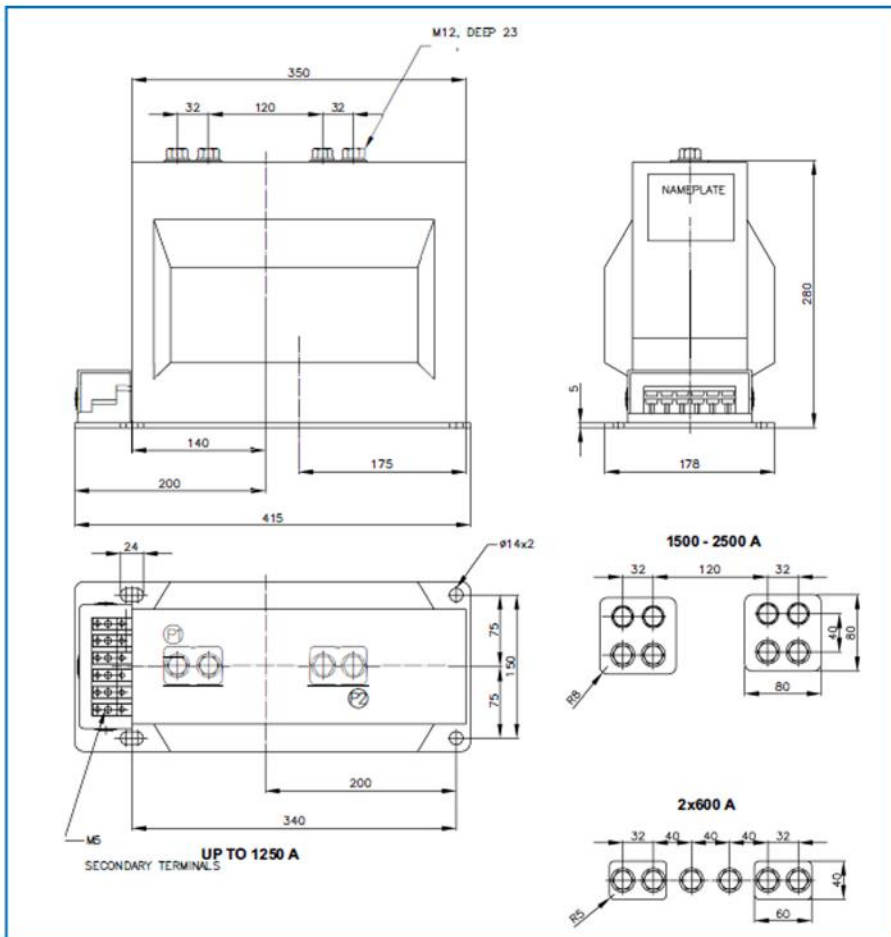
TECHNICAL DATA

Max Operating Voltage, kV	24 kV
Rated Power Freq. Withstand Voltage (1 min)	50 kV
Rated Impulse Test Voltage (1.2/50 μ s)	125 kV
Rated Frequency	50 Hz, 60 Hz
Primary Rated Current	10-2500 A
Primary Reconnection	2x10 A – 2x600 A
Output for Accuracy Classes	1A, 5A
Rated Short Time Thermal Current I _{th} (Is)	Max. 1000 In
Rated Dynamic Current Idyn	2.5xI _{th} , 2.6xI _{th} max. 120 kA
Insulation Class	E
Ambient Temperature	-5.....+40° C
Standard	TS, IEC, VDE, ANSI, IEEE
Weight	34 kg

Indoor Current Transformer

ADC 24 S

ADC 24 SS



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current

TECHNICAL DATA

Max Operating Voltage, kV
Rated Power Freq. Withstand Voltage (1 min)
Rated Impulse Test Voltage (1.2/50 μ s)
Rated Frequency
Primary Rated Current
Primary Reconnection
Output for Accuracy Classes
Rated Short Time Thermal Current I_{th} (Is)
Rated Dynamic Current I_{dyn}
Insulation Class
Ambient Temperature
Standard
Weight

ADC 24 S / ADC 24 SS

24 kV
50 kV
125 kV
50 Hz, 60 Hz
10-2500 A
2x10 A – 2x600 A
1A, 5A
Max. (60 kA, 1000 I_n)
2.5x I_{th} , 2.6x I_{th} max. 120 kA
E
-5.....+40° C
TS, IEC, VDE, ANSI, IEEE
34 kg

ADA 36

ADA 36 S



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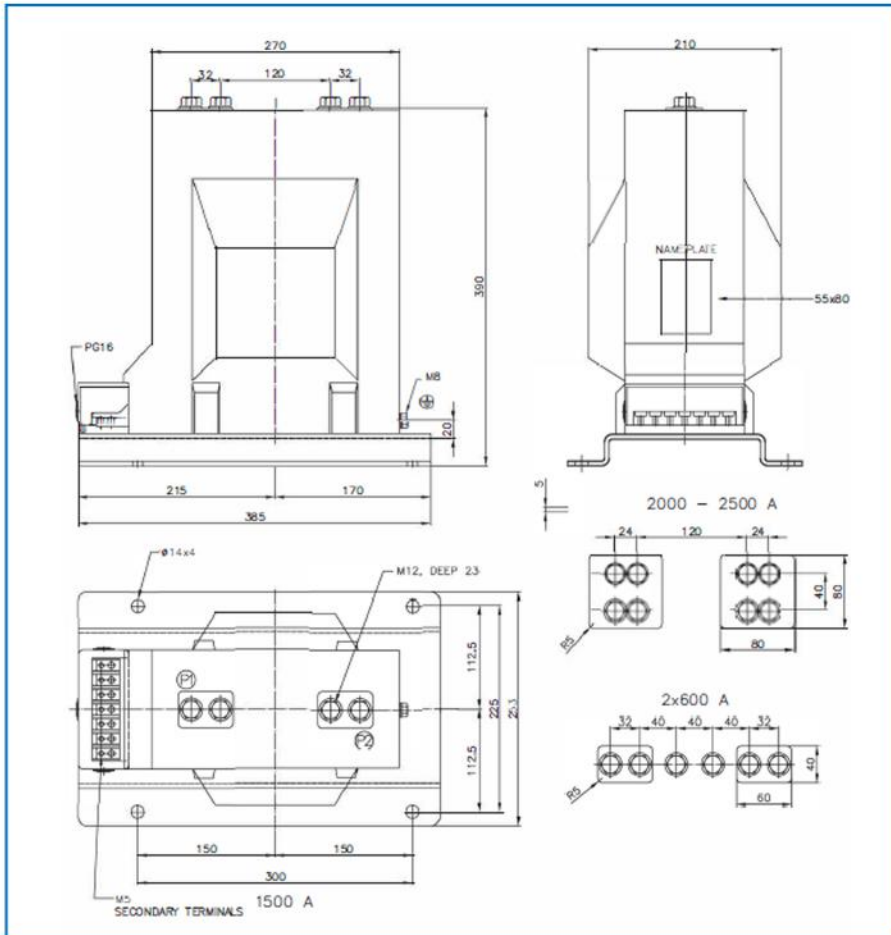
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Page 12

Indoor Current Transformer

ADB 36

ADB 36 S



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current

TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μ s)
 Rated Frequency
 Primary Rated Current
 Primary Reconnection
 Output for Accuracy Classes
 Rated Short Time Thermal Current I_{th} (I_s)
 Rated Dynamic Current I_{dyn}
 Insulation Class
 Ambient Temperature
 Standard
 Weight

ADB 36 / ADB 36 S

36 kV
 70 kV
 170 kV
 50 Hz, 60 Hz
 10-3000 A
 2x10 A – 2x600 A
 1A, 5A
 Max. (50 kA, 1000 I_n)
 2.5x I_{th} , max. 120 kA
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 40 kg

MV INSTRUMENT TRANSFORMERS

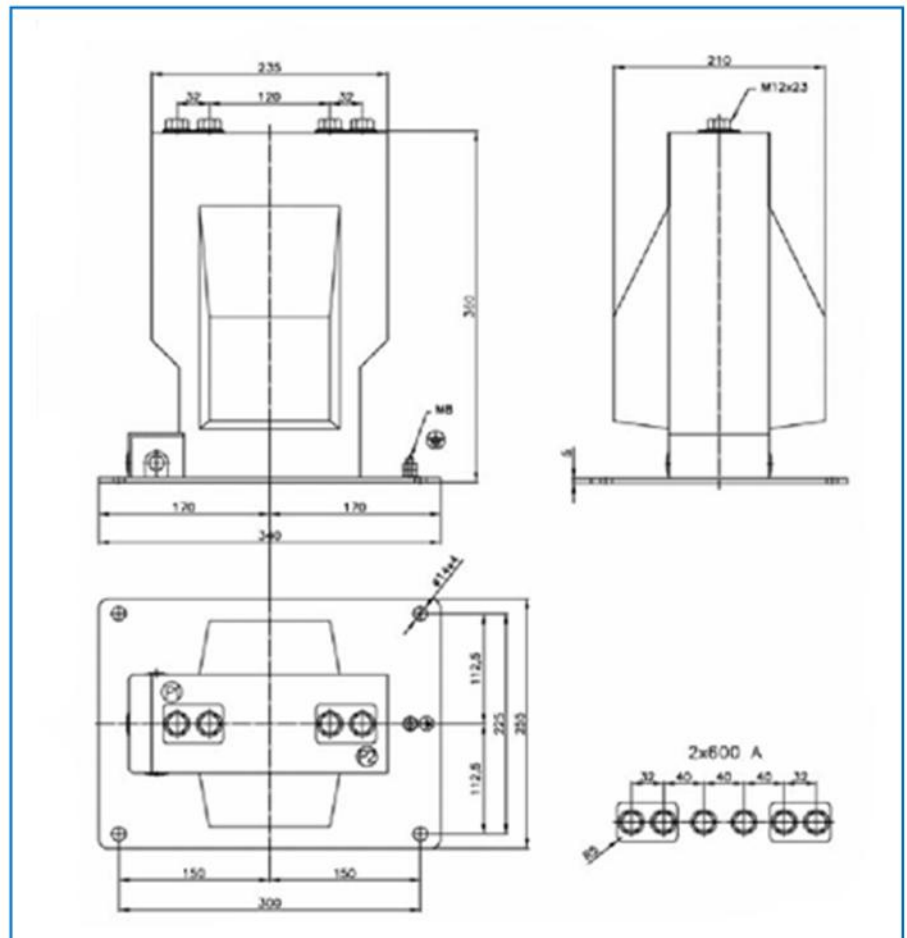
Indoor Current Transformer

ADD 36



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current



TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μ s)
 Rated Frequency
 Primary Rated Current
 Primary Reconnection
 Output for Accuracy Classes
 Rated Short Time Thermal Current I_{th} (Is)
 Rated Dynamic Current I_{dyn}
 Insulation Class
 Ambient Temperature
 Standard
 Weight

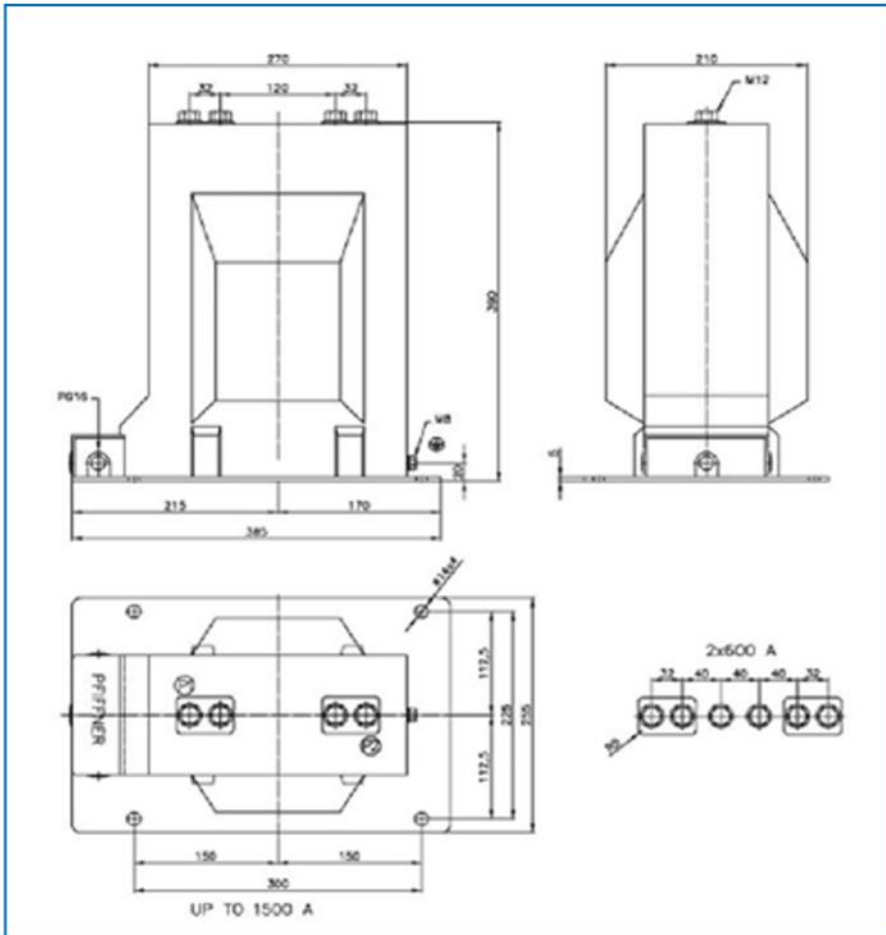
ADD 36

36 kV
 70 kV
 170 kV
 50 Hz, 60 Hz
 10-1250 A
 2x10 A – 2x1200 A
 1A, 5A
 Max. (50 kA, 1000 In)
 2.5x I_{th} , 2.6x I_{th} max. 120 kA
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 25-30 kg

MV INSTRUMENT TRANSFORMERS

Indoor Current Transformer

ADE 36



Indications for the ordering

- Type designation
- Nominal primary current
- Nominal secondary current
- Frequency
- Nominal output
- Accuracy class
- Short-time thermal current

TECHNICAL DATA

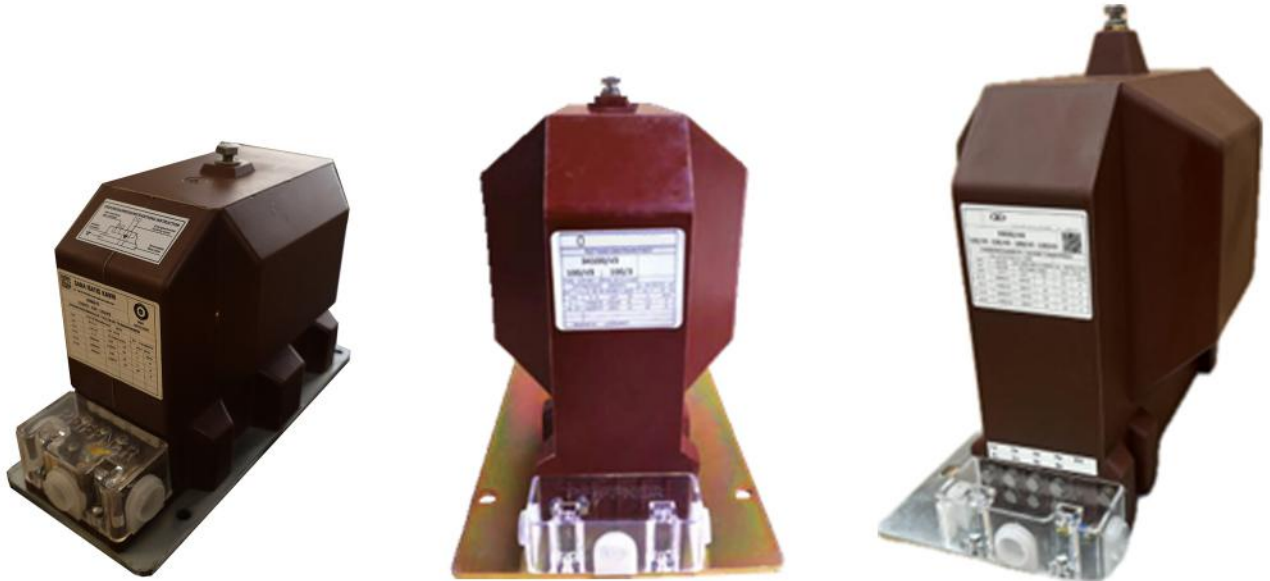
Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μ s)
 Rated Frequency
 Primary Rated Current
 Primary Reconnection
 Output for Accuracy Classes
 Rated Short Time Thermal Current I_{th} (Is)
 Rated Dynamic Current I_{dyn}
 Insulation Class
 Ambient Temperature
 Standard
 Weight

ADE 36

36 kV
 70 kV
 170 kV
 50 Hz, 60 Hz
 10-2500 A
 -
 1A, 5A
 Max. (50 kA, 1000 In)
 2.5x I_{th} , max. 120 kA
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 36 kg

MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformers Single-Pole



Design	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible
Um(kV)	up to 12 kV	up to 24 kV	up to 36 kV
Type	GDA 12, 12 S	GDA 24, 24 S	GDA 36, 36 S GDB 36, 36 S

Indoor Voltage Transformer

Single Pole

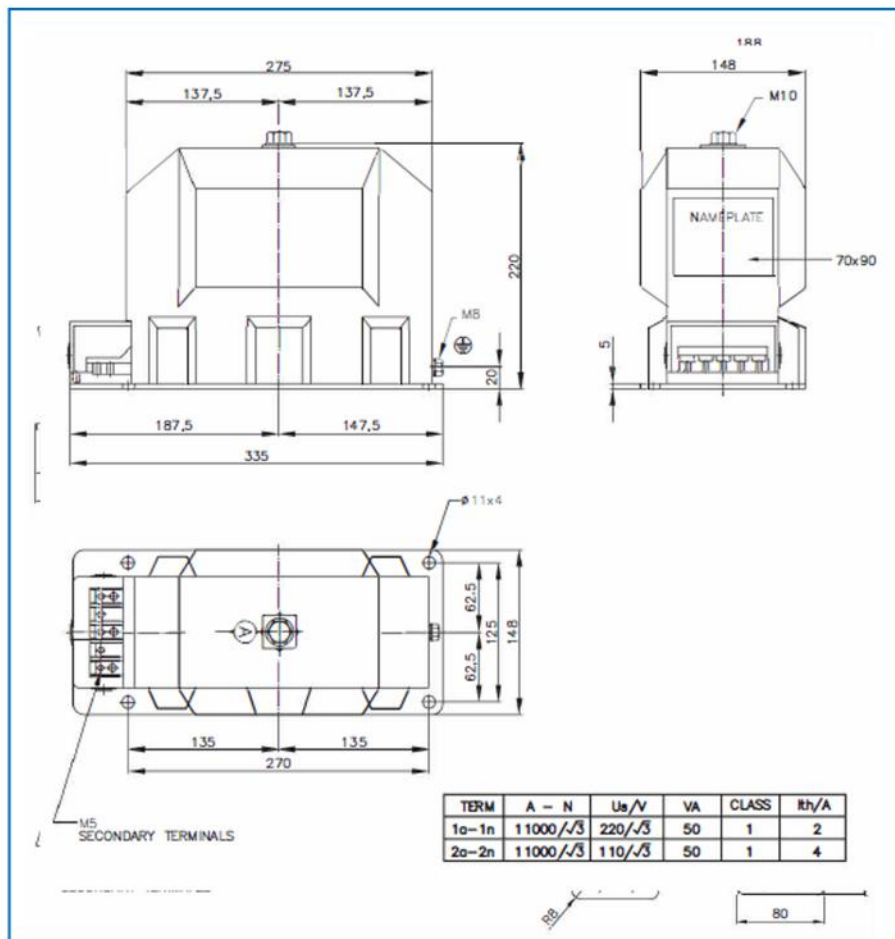
GDA 12

GDA 12 S



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μs)
 Rated Frequency
 Primary Rated Voltage
 Primary Thermal Limiting Output
 Output for Accuracy Classes

 Rated Burdens and Classes
 Rated Burden for Protection Class 3P
 Voltage Factor (8h)
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GDA 12 / GDA 12 S

7.2 kV / 12 kV / 17.5 kV
 20 kV / 28 kV / 38 kV
 60 kV / 75 kV / 95 kV
 50 Hz, 60 Hz
 11/√3 kV
 350 VA
 100/√3 kV, 110/√3 kV, 120/√3 kV
 100/3 kV, 110/3 kV, 120/3 kV
 0.2 20 VA - 0.5 50 VA - 1.0 100 VA
 60 VA
 1.9
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 21 kg



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Current and voltage – our passion

MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformer

Single Pole

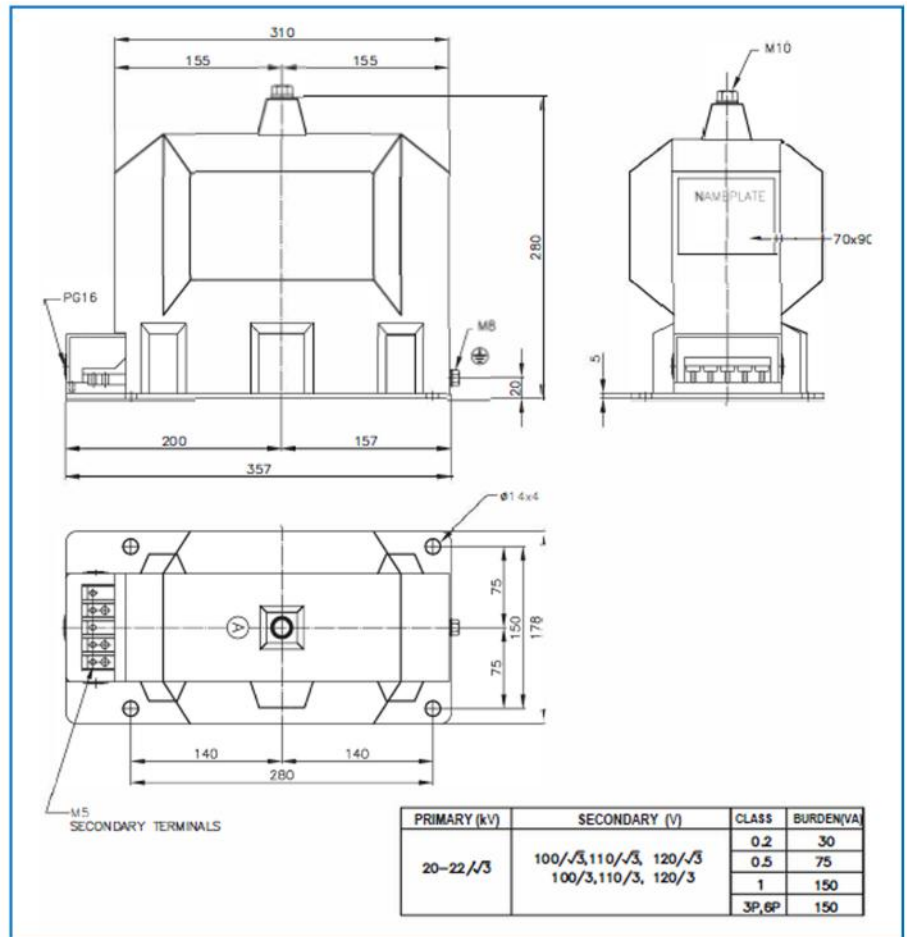
GDA 24

GDA 24 S



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μs)
 Rated Frequency
 Primary Rated Voltage
 Primary Thermal Limiting Output
 Output for Accuracy Classes

 Rated Burdens and Classes
 Rated Burden for Protection Class 3P
 Voltage Factor (8h)
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GDA 24 / GDA 24 S

24 kV
 50 kV
 125kV
 50 Hz, 60 Hz
 15/√3 kV , 20/√3 kV , 22/√3 kV
 400 VA
 100/√3 , 110/√3 , 120/√3
 100/3 kV, 110/3 kV , 120/3 kV
 0.2 30 VA - 0.5 75 VA - 1.0 150 VA
 60 VA
 1.9
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 30 kg

Indoor Voltage Transformer

Single Pole

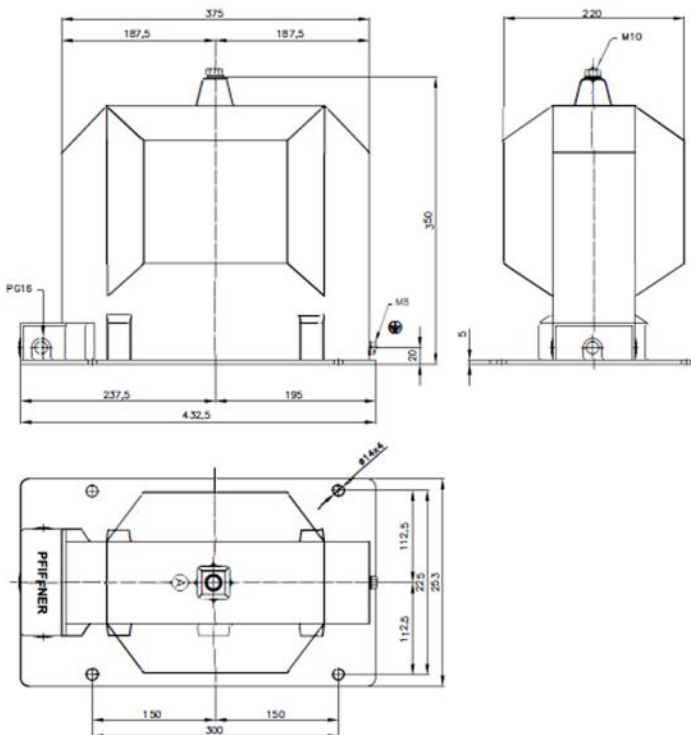
GDA 36

GDA 36 S



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



(kW)	(V)	CLASS	(VA)
PRIMARY	SECONDARY		BURDEN
31.5-33-34.5/√3	100/√3, 110/√3, 120/√3	0.2	50
	100/3, 110/3, 120/3	0.5	150
		1	200
		3P, 6P	200

TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μs)
 Rated Frequency
 Primary Rated Voltage
 Rated Thermal Limiting Output
 Output for Accuracy Classes
 Rated Burdens and Classes
 Rated Burden for Protection Class 3P
 Voltage Factor (8h)
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GDA 36 / GDA 36 S

36 kV
 70 kV
 170 kV
 50 Hz, 60 Hz
 30.5/√3 kV, 31.5/√3 kV, 33.3/√3 kV, 34.5/√3 kV
 400 VA
 100/√3, 110/√3, 120/√3, 100/3 kV, 110/3 kV, 120/3 kV
 0.5 60 VA, 1.0 120 VA
 60 VA
 1.9
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 36 kg

MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformer

Single Pole

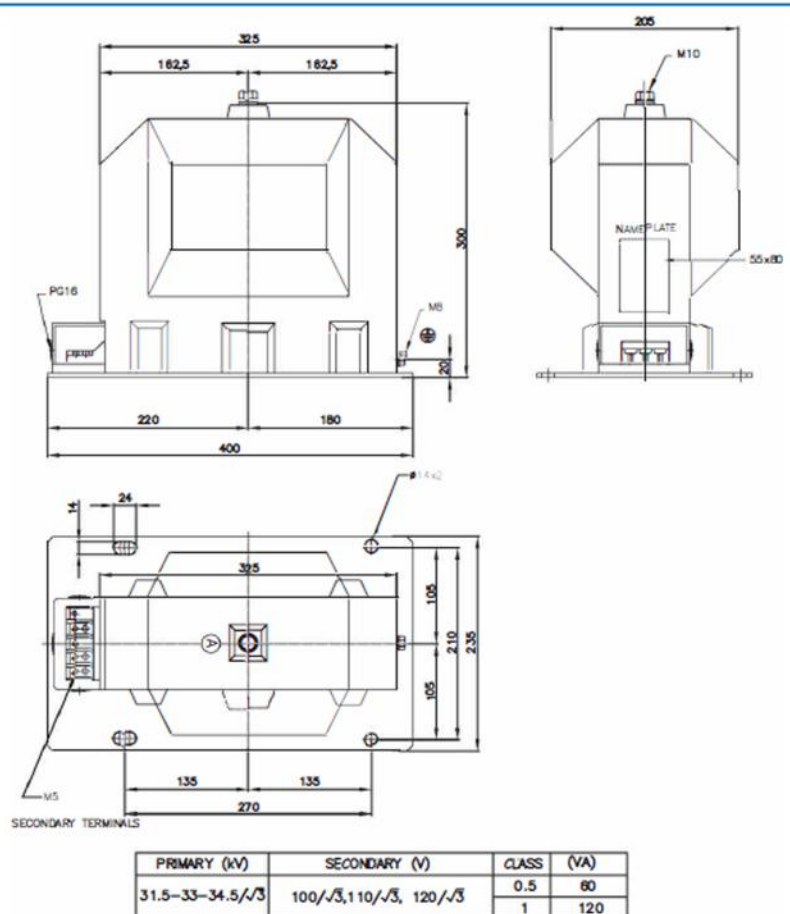
GDB 36

GDB 36 S



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



TECHNICAL DATA

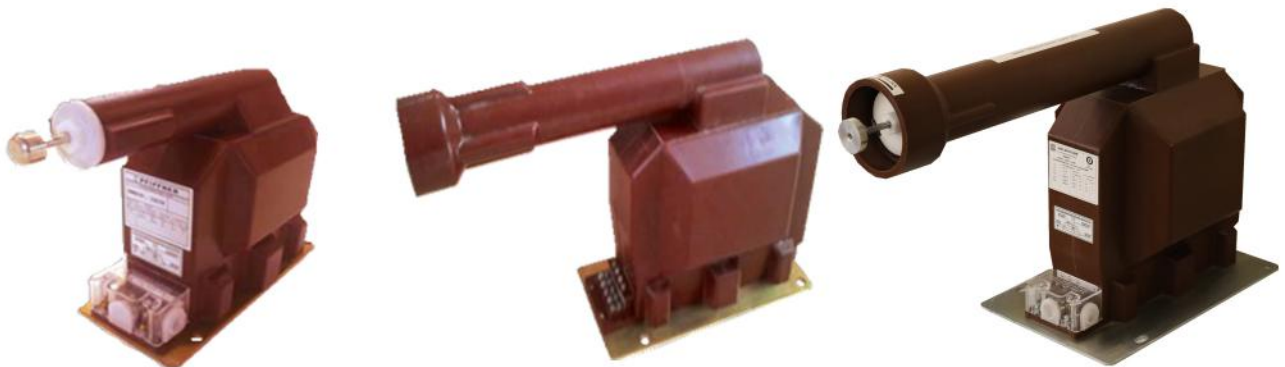
Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μs)
 Rated Frequency
 Primary Rated Voltage
 Rated Thermal Limiting Output
 Output for Accuracy Classes
 Rated Burdens and Classes
 Rated Burden for Protection Class 3P
 Voltage Factor (8h)
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GDB 36 / GDB 36 S

36 kV
 70 kV
 170 kV
 50 Hz, 60 Hz
 30.5/√3 kV , 31.5/√3 kV, 33.3/√3 kV , 34.5/√3 kV
 400 VA
 100/√3 , 110/√3 , 120/√3
 0.5 60 VA, 1.0 120 VA
 60 VA
 1.9
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 36 kg

MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformer - with Primary Fuse



Design	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible
Um(kV)	up to 12 kV	up to 24 kV	up to 36 kV
Type	GDD 12 S	GDD 24 S	GDC 36, 36 S, 36 SS

MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformer

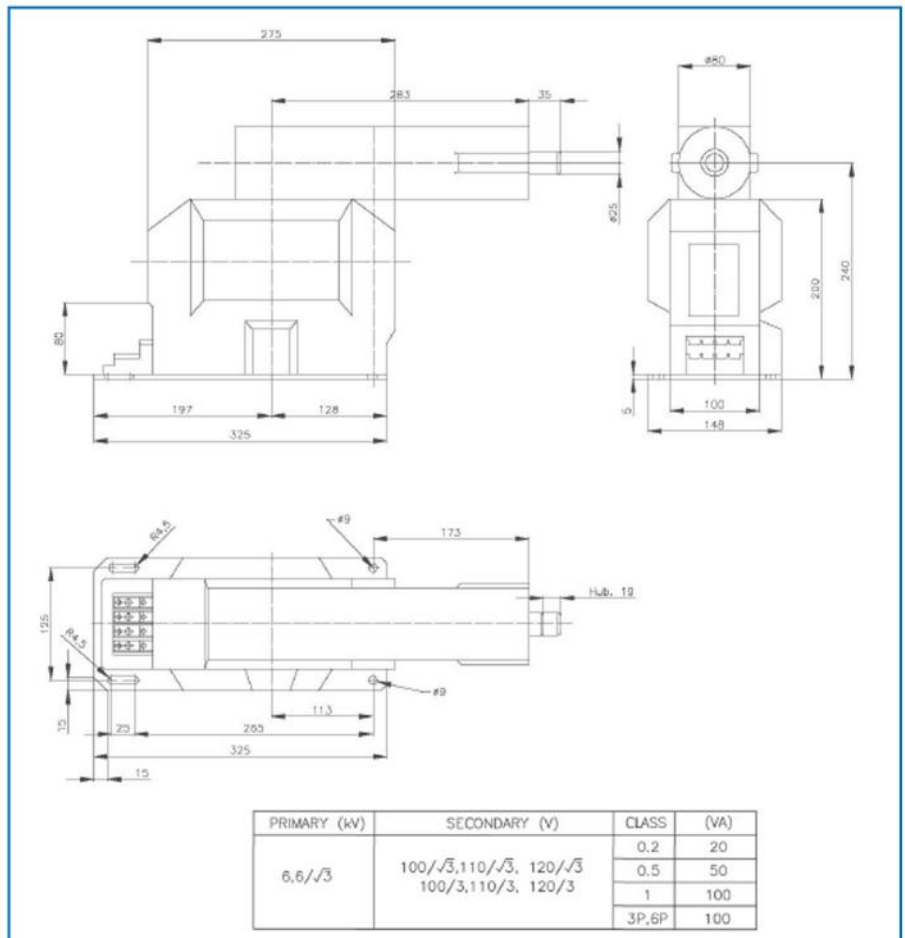
Single Pole - with Primary Fuse

GDD 12 S



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



TECHNICAL DATA

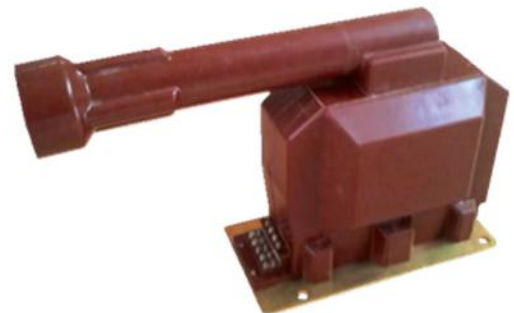
Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μs)
 Rated Frequency
 Primary Rated Voltage
 Rated Thermal Limiting Output
 Output for Accuracy Classes
 Rated Burdens and Classes
 Rated Burden for Protection Class 3P
 Voltage Factor (8h)
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GDD 12 S

7.2 kV / 12 kV / 17.5 kV
 20 kV / 28 kV / 38 kV
 60 kV / 75 kV / 95 kV
 50 Hz, 60 Hz
 11/√3 kV
 350 VA
 100/√3, 110/√3, 120/√3, 100/3 kV, 110/3 kV, 120/3 kV
 0.2 20 VA, 0.5 50 VA, 1.0 100 VA
 60 VA
 1.9
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 24 kg

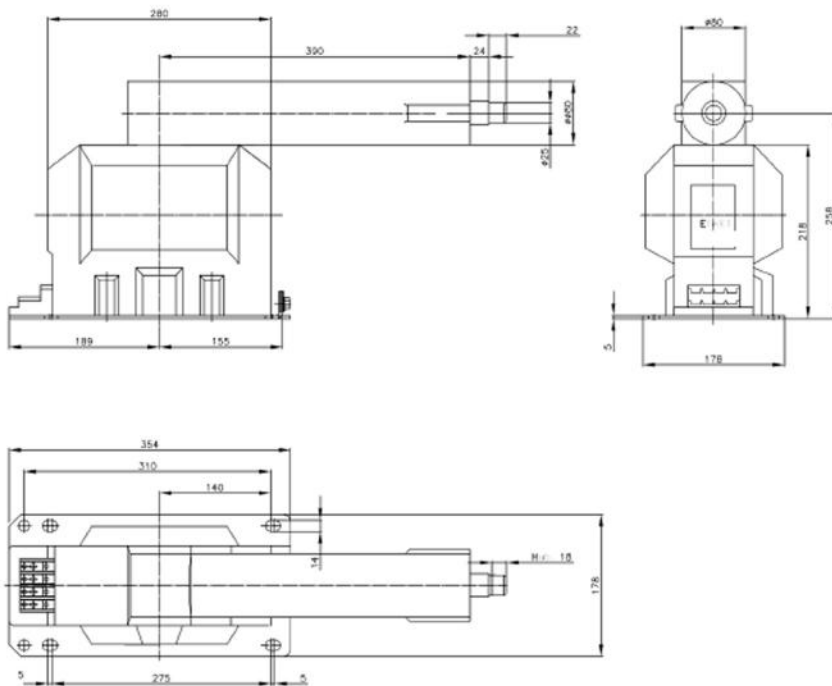
MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformer Single Pole - with Primary Fuse GDD 24 S



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



(kV)	secondary (V)	CLASS	(VA)
20/√3	100/√3, 110/√3, 120/√3 100/3, 110/3, 120/3	0.2	45
		0.5	120
		1	250
		3P,6P	150

TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μs)
 Rated Frequency
 Primary Rated Voltage
 Rated Thermal Limiting Output
 Output for Accuracy Classes
 Rated Burdens and Classes
 Rated Burden for Protection Class 3P
 Voltage Factor (8h)
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GDD 24 S

24 kV
 50 kV
 125 kV
 50 Hz, 60 Hz
 15/√3 kV, 20/√3 kV, 22/√3 kV
 500 VA
 100/√3, 110/√3, 120/√3
 0.2 30 VA, 0.5 75 VA, 1.0 150 VA
 60 VA
 1.9
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 32 kg



PIFFNER

Current and voltage – our passion

MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformer

Single Pole - with Primary Fuse

GDC 36

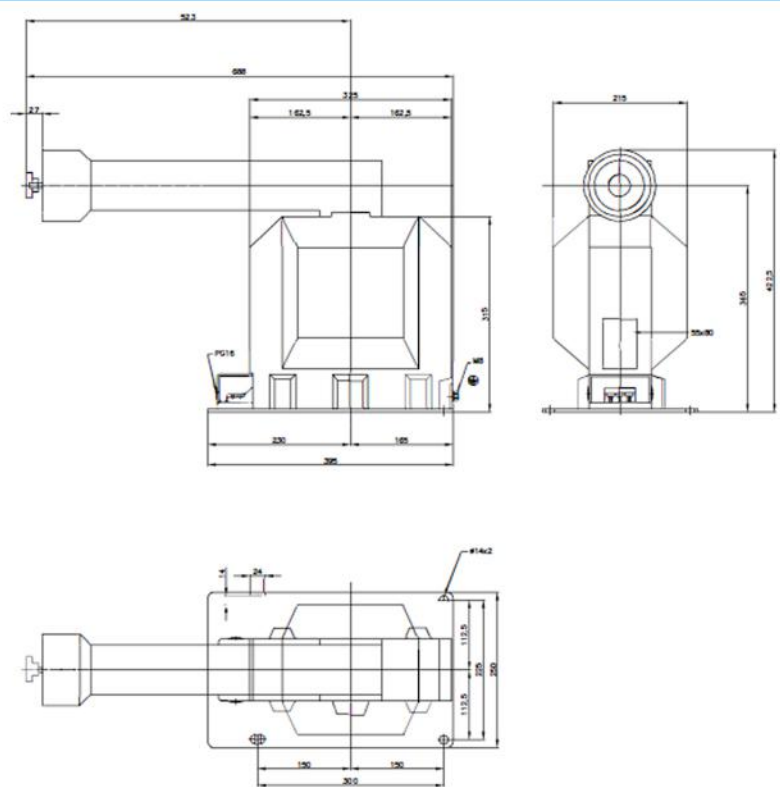
GDC 36 S

GDC 36 SS



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



PRIMARY (kV)	SECONDARY (V)	CLASS	(VA)
31.5-33-34.5/√3	100/√3, 110/√3, 120/√3	0.5	60
		1	120

TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μs)
 Rated Frequency
 Primary Rated Voltage
 Rated Thermal Limiting Output
 Output for Accuracy Classes
 Rated Burdens and Classes
 Rated Burden for Protection Class 3P
 Voltage Factor (8h)
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GDC 36 / GDC 36 S / GDC 36 SS

36 kV
 70 kV
 170 kV
 50 Hz, 60 Hz
 31.5/√3 Kv, 33.3/√3 kV, 34.5/√3 kV
 400 VA
 100/√3, 110/√3, 120/√3
 0.5 60 VA, 1.0 120 VA
 60 VA
 1.9
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 50 kg

MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformer - Double Pole



Design	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible	Voltage transformer Block type Epoxy resin insulation Indoor DIN 42600 compatible
Um(kV)	up to 12 kV	up to 24 kV	up to 36 kV
Type	GD2A 12	GD2A 24	GD2A 36

MV INSTRUMENT TRANSFORMERS

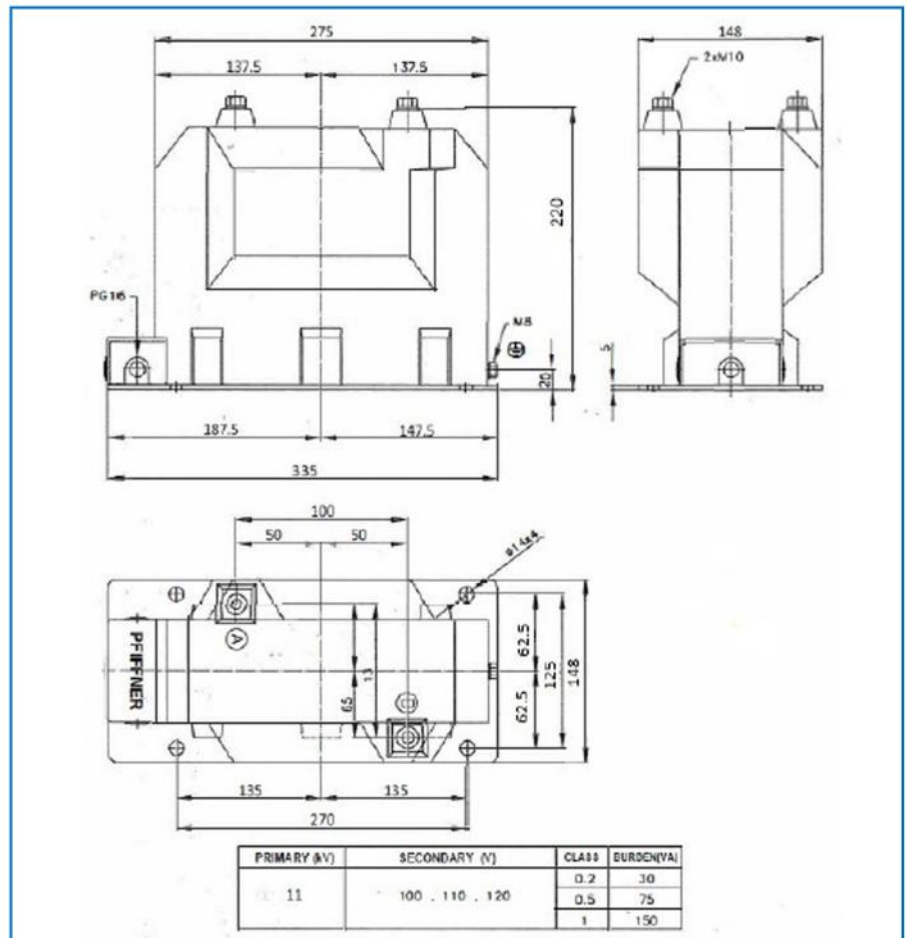
Indoor Voltage Transformer

Double Pole GD2A 12



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μ s)
 Rated Frequency
 Primary Rated Voltage
 Rated Thermal Limiting Output
 Output for Accuracy Classes
 Rated Burdens and Classes
 Voltage Factor
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GD2A 12

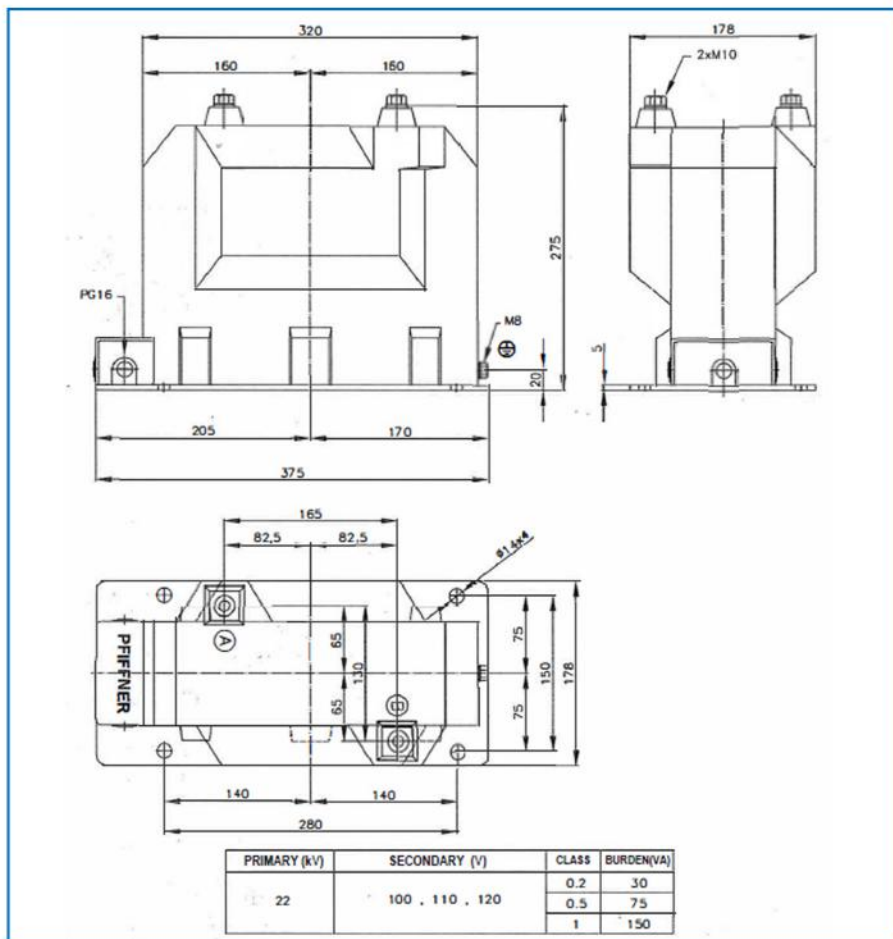
12 kV
 28 kV
 75 kV
 50 Hz, 60 Hz
 1.6-6.6 kV
 400 VA
 100, 110, 120
 0.2 10 VA, 0.5 30 VA, 1.0 60 VA
 1.2 continuous
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 28 kg

MV INSTRUMENT TRANSFORMERS

Indoor Voltage Transformer

Double Pole

GD2A 24



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden

TECHNICAL DATA

Max Operating Voltage, kV

Rated Power Freq. Withstand Voltage (1 min)

Rated Impulse Test Voltage (1.2/50 μ s)

Rated Frequency

Primary Rated Voltage

Rated Thermal Limiting Output

Output for Accuracy Classes

Rated Burdens and Classes

Voltage Factor

Insulation Class

Ambient Temperature

Standard

Weight

GD2A 24

24 kV

50 kV

125 kV

50 Hz, 60 Hz

10-22 kV

400 VA

100, 110, 120

0.2 30 VA, 0.5 60 VA, 1.0 150 VA

1.2 continuous

E

-5.....+40° C

TS, IEC, VDE, ANSI, IEEE

32 kg



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Current and voltage – our passion

MV INSTRUMENT TRANSFORMERS

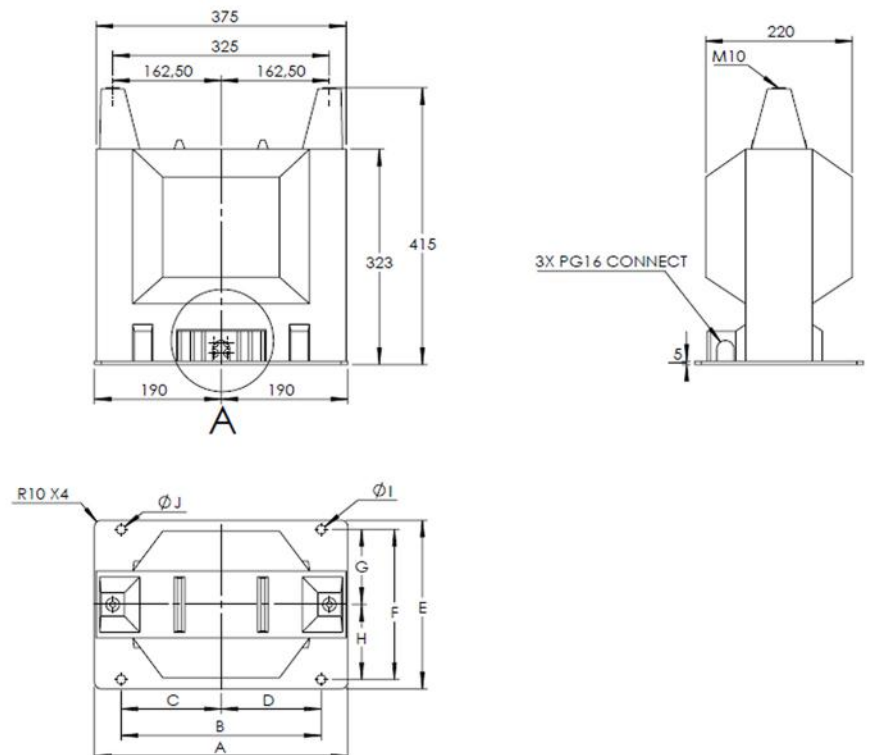
Indoor Voltage Transformer

Double Pole GD2A 36



Indications for the ordering

- Type designation
- Nominal primary voltages
- Nominal secondary voltages
- Frequency
- Nominal output
- Accuracy class
- Rated voltage factor
- Thermal burden



TECHNICAL DATA

Max Operating Voltage, kV
 Rated Power Freq. Withstand Voltage (1 min)
 Rated Impulse Test Voltage (1.2/50 μ s)
 Rated Frequency
 Primary Rated Voltage
 Rated Thermal Limiting Output
 Output for Accuracy Classes
 Rated Burdens and Classes
 Voltage Factor
 Insulation Class
 Ambient Temperature
 Standard
 Weight

GD2A 36

36 kV
 70 kV
 170 kV
 50 Hz, 60 Hz
 31,5-36 kV
 400 VA
 100, 110, 120
 0.2 50 VA, 0.5 75 VA, 1.0 200 VA
 1.2 continuous
 E
 -5.....+40° C
 TS, IEC, VDE, ANSI, IEEE
 45 kg

Setting the course for success

The parameters must already be correct during the specification so that the transformer solution meets your requirements. We provide qualified advice for the decisive questions from dimensioning through budgeting and configuration to network planning.

Our References



Certificates





SANA ISATIS KAVIR

☎ : +98 21 26409443 / +98 35 37273888

🏢 : +98 21 22901878 / +98 35 37273966

✉ : info@sana-isatis.com / sales@sana-isatis.com

🌐 : www.sana-isatis.com

Factory: Tejarat7, Tejarat Blvd, Yazd Free Economic Zone, Yazd, Iran.

Office: Unit 6, No.28, Eastern Ghobadian st., Alborz st., Mirdamad Ave., Tehran, Iran.

