

ASS 12 | 17.5 | 24 | 36 | 40.5

**SUPPORT-TYPE CURRENT TRANSFORMER,
BLOCK DESIGN (INDOOR USE)**



Fig. 1: ASS 24 block-type current transformer

- Narrow design acc. to DIN 42600-8 (ASS 12/ASS 24)
- Suitable for use in air-insulated indoor switchgear
- Customised designs for switchgear from various manufacturers
- Declaration of conformity for energy metering

General description

The ASS series current transformers stand out for their high-quality, robust design and construction engineered for durability. The current transformers are designed for indoor use, feature epoxy resin insulation, and are maintenance-free. In addition to the versions conforming to DIN 42600, larger variants with additional cores offer expanded application possibilities. On request, the transformers are supplied with the country-specific approval required for billing purposes for commercial electricity metering.

ASS transformers are type-tested and routine-tested in accordance with the applicable standards. Secure and monitored manufacturing processes, along with integrated management systems, ensure demonstrably high quality and functional reliability for use in customer-specific applications.

DATA SHEET medium voltage

Technical data: ASS series

General data

Parameters	ASS 12	ASS 17.5	ASS 24	ASS 36	ASS 40.5
Dimensions, size 1 W/H (mm)	148/220	148/220	178/280	249/390/403	249/390
Length, size 1/2/3 (mm)	275/ - /465	275/ - /465	355/ - /455	403/ - / -	403/ - / -
Weight, size 1/2/3 (kg/approx.)	20/ - /33	20/ - /33	35/ - /45	70	70
Standards	IEC 61689-1/-2 ¹				
Highest voltage for operating equipment (U_m)	12 kV	17.5 kV	24 kV	36 kV	40.5 kV
Rated frequency (f_R)	50 / 60 Hz				
Rated power	30 VA max. ¹				
Measurement/protection classes	0.2 / 0.2S / 0.5 / 0.5S / 1 / 5P / 10P / PR / PX ¹				

Specifications

Parameters	ASS 12	ASS 17.5	ASS 24	ASS 36	ASS 40.5
Primary current (I_{pr})	up to 2,500 A				
Secondary current (I_s)	1 A, 5 A				
Number of terminals	up to 11 ² , up to 16 ³				
Number of cores	up to 3 ² , up to 6 ³				
Rated withstand AC voltage/ rated lightning impulse withstand voltage	28 kV 75 kV	38 kV 95 kV	50 kV 125 kV	70 kV 170 kV	80 kV 200 kV
Rated continuous thermal current (I_{cth})	100%, 120%, 150%, 200%; up to 4,000 A ³				
Rated short-time thermal current (I_{th} 1s)	$\leq 1000 \times I_{pr}$; 100 kA max.				
Rated dynamic current (I_{dyn})	$2.5 \times I_{th}$				
Application area	Indoor use				
Ambient temperature	-5°C...40°C ¹				
Insulation	Epoxy resin				
Insulating class	E				

¹other standards and values on request

²standard version

³special version

Subject to technical modifications.