

SBM 106-54-82 – Bushing Current Transformer

The SBM 106-54-82 is a low voltage current transformer for mounting around the bushing/conus connector in switchgear applications. Due to its optimized design it fits around almost all bushing connectors. With its sealable connectors it can be used for revenue metering (billing).

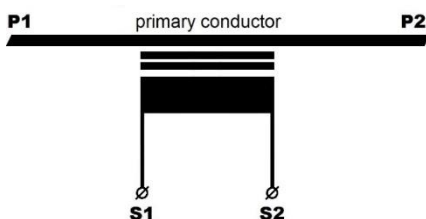


Ordering specifications

Ratio	Class	Burden	Article number P1 at connection side	Article number P2 at connection side
50/1A	1	1VA	4SB5**	4SB8**
100/1A	1	2,5VA	4SB5**	4SB8**
100/1A	0,5	1,5VA	4SB5**	4SB8**
100/1A	0,5S	1VA	4SB5**	4SB8**
100/1A	0,2	0,5VA	4SB5**	4SB8**
200/1A	0,5S	2,5VA	4SB502	4SB802
300/1A	0,2S	2,5VA	4SB513	4SB813
400/1A	0,2S	2,5VA	4SB514	4SB814
500/1A	0,2S	5VA	4SB515	4SB815
600/1A	0,2S	5VA	4SB516	4SB816
200/5A	0,5S	2,5VA	4SB522	4SB822
300/5A	0,2S	2,5VA	4SB533	4SB833
400/5A	0,2S	2,5VA	4SB534	4SB834
500/5A	0,2S	5VA	4SB535	4SB835
600/5A	0,2S	5VA	4SB536	4SB836

On request other ratio's and specifications for measuring and protection classes are possible.

Wiring diagram



Technical specifications

Environmental conditions	
This product is designed to be safe under the following conditions:	
Location:	Indoor use
Ambient air temperature:	-35°C .. +50°C; other temperatures on request
Storage and transport temperature:	-40°C .. +60°C
Relative humidity:	5% .. 95%, non condensing
Altitude:	Max. 2000m above NN; at >1000m data required
Protection degree (secondary terminal):	IP20
Application conditions	
Standard:	IEC 61869-2 / IEEE C57.13; etc.
IEC 61768-2 specification:	
Rated short-time thermal current (I _{th}):	60 x I _n /1s, max. 50kA/1s
Rated dynamic current (I _{dyn}):	2,5 x I _{th} , max. 125kA/1s
Continuous thermal current (I _{cth}):	Up to 120%
Rated insulation level:	Max. 0,72/3/-kv
Rated frequency:	50/60Hz
Class of insulation:	E (120°C)
Primary window dimensions:	Ø 82 mm
Rated primary current:	Up to 600A
Rated secondary current:	1A or 5A; other options available on request
Rated output:	As required. For example 2,5VA, 5VA
Accuracy class:	As required. For example 0,2S, 0,5S
Secondary terminal:	Sealable, 6mm ² solid / 4mm ² , stranded Screw connection

Dimensions

