

multict KSU / SUKS Totalizing current transformer

Application:

Aggregation of currents from multiple main transformers, if they are displayed with a single measuring device.



multict KSU

multict SUSK

multict KSU / SUKS Totalizing current transformer

Highlights

- For identical main transformers; different main transformers upon request
- Primary rated currents 1 A or 5 A
- Secondary rated currents 1 A or 5 A
- For up to 8 main transformers
- Record total consumption with just one measuring instrument

An overall view of **technical details** can be found on the following page.

Totalizing current transformers from the **multict KSU** and **multict SUSK** series adds up the input currents from up to eight main transformers and then divides them by the number of transformers or inputs. At the end of this process, the result is a standardized signal that can be further processed with one measuring device.

The totalizing current transformers are designed to be used with identical main transformers. Upon request, totalizing current transformers that can be used with different main transformers or for billing purposes can also be provided.

It is also possible to calculate differences through the count-

er connection of main transformers to the totalizing current transformer.

Housing (HxWxD):

multict KSU 2	94 x 127 x 57 mm
multict KSU 3	94 x 127 x 57 mm
multict SUSK 4	137 x 156 x 65 mm
multict SUSK 5	137 x 156 x 65 mm
multict SUSK 6	137 x 156 x 65 mm
multict SUSK 6	137 x 156 x 65 mm
multict SUSK 7	137 x 156 x 65 mm
multict SUSK 8	137 x 156 x 65 mm

Technical Data

Maximum operating voltage U_m	0.72 kV
Rated continuous thermal current I_{cth}	$1.2 \times I_n$ ($1.0 \times I_n$ for higher primary currents)
Rated short-time thermal current I_{th}	$40 \times I_n$, 1 sec (max. 100 kA)
Rated surge current I_{dyn}	$2,5 \times I_{th}$
Overcurrent limiting factor	FS 5
Rated frequency	50 Hz
Insulation class	E
Insulation test voltages	3 kV, 1 min, U_{eff} 50 Hz ($U_m \leq 0,72$ kV)
Working temperature range	$-5^\circ\text{C} \leq T \leq +50^\circ\text{C}$
Storage temperature range	$-25^\circ\text{C} \leq T \leq +70^\circ\text{C}$
Applied norms	DIN EN 61869/1+2, DIN 42600-1, DIN 42600-2

Unbreakable plastic housing made of polycarbonate

Flame-resistant and self-extinguishing in accordance with UL94

Nickel-plated secondary clamps with plus/minus screws (2 Nm)

	Power (VA)	Secondary current (A)	Power dissipation (VA)	Item number
multict-KSU 2-1+1/1A-1VA-terminal 1	1	1	0.36	25798
multict-KSU 2-1+1/1A-2.5VA-terminal 1	2.5	1	1.39	25590
multict-KSU 2-1+1/1A-1.5VA-terminal 1	1.5	1	0.83	25799
multict-KSU 2-5+5/5A-2.5VA-terminal 1	2.5	5	2.61	25800
multict-KSU 3-1+1+1/1A-2.5VA-terminal 1	2.5	1	1.81	25591
multict-KSU 3-5+5+5/5A-2.5VA-terminal 1	2.5	5	1.96	25801
multict-SUSK 4-1+1+1+1/1A-5VA-terminal 1	5	1	1.83	25764
multict-SUSK 4-5+5+5+5/5A-2.5VA-terminal 1	2.5	5	1.98	25802
multict-SUSK 5-1+1+1+1+1/1A-2.5VA-terminal 1	2.5	1	1.23	25803
multict-SUSK 5-5+5+5+5+5/5A-5VA-terminal 1	5	5	3.95	25765
multict-SUSK 6-1+1+1+1+1+1/1A-2.5VA-terminal 1	2.5	1	1.86	25804
multict-SUSK 6-5+5+5+5+5+5/5A-5VA-terminal 1	5	5	3.25	25766
multict-SUSK 7-1+1+1+1+1+1+1/1A-5VA-terminal 1	5	1	1.84	25767
multict-SUSK 7-5+5+5+5+5+5+5/5A-5VA-terminal 1	5	5	3.55	25769
multict-SUSK 8-1+1+1+1+1+1+1+1/1A-5VA-terminal 1	5	1	1.7	25770
multict-SUSK 8-5+5+5+5+5+5+5+5/5A-5VA-terminal 1	5	5	3.37	25773

Transformers with other transmission ratios, primary current/secondary current power, and accuracy classes by request. Please note that all current transformers are not eligible for returns or exchanges.