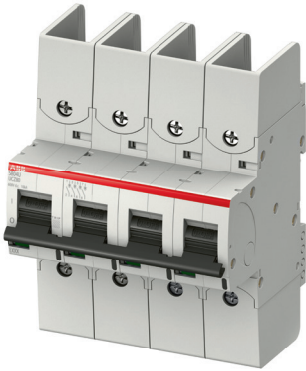


S804U-UCZ

This breaker is specially designed for networks up to 600 VDC, i.e., a data center. It is available as 4-pole version with a short-circuit current rating of 10 kA acc. to UL 489.



Technical specifications

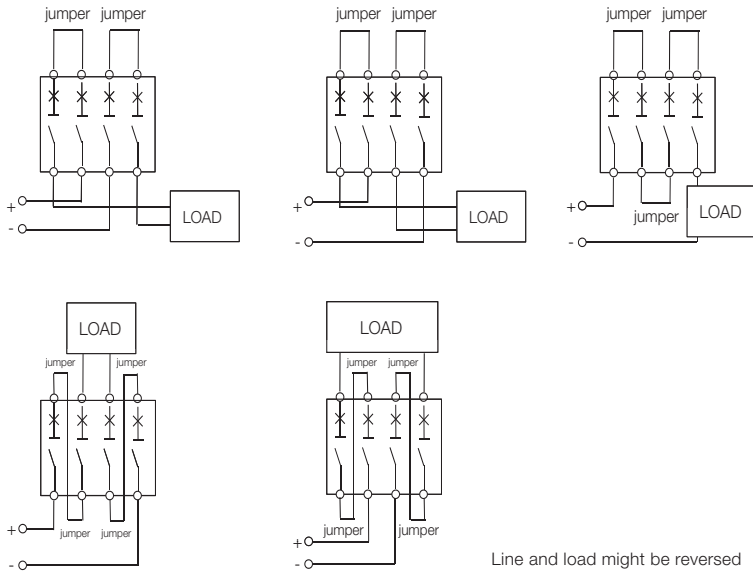
Standard		UL 489
Characteristic		Z
Rated current I_n	[A]	10–80
Rated voltage U_n	[V]	600 DC
No. of poles		4
Short-circuit current rating acc. to UL 489	[kA]	10
Tightening torque	[Nm]	3.5 (31 in.lb)
Protection category		IP40 (actuating end only)
Mounting position		Any
Contacts		Cadmium-free
Reference temperature for tripping characteristic		25 °C
Ambient temperature	[°C]	-25...+60
Storage temperature	[°C]	-40...+70
Approval		cULus File #E312425

Ordering information

Rated current (A)	Catalog number
10	S804U-UCZ10
15	S804U-UCZ15
20	S804U-UCZ20
25	S804U-UCZ25
30	S804U-UCZ30
40	S804U-UCZ40
50	S804U-UCZ50
60	S804U-UCZ60
70	S804U-UCZ70
80	S804U-UCZ80

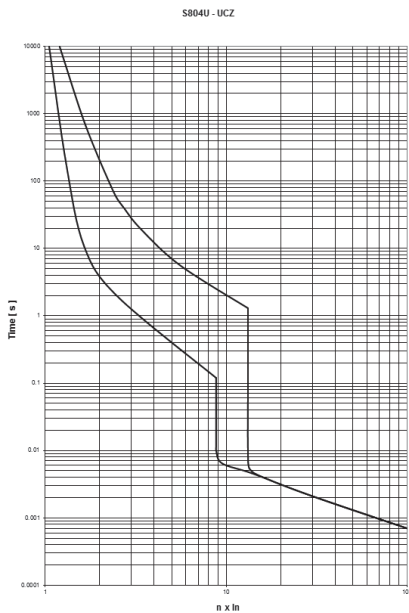
S804U-UCZ

Tested and listed wirings

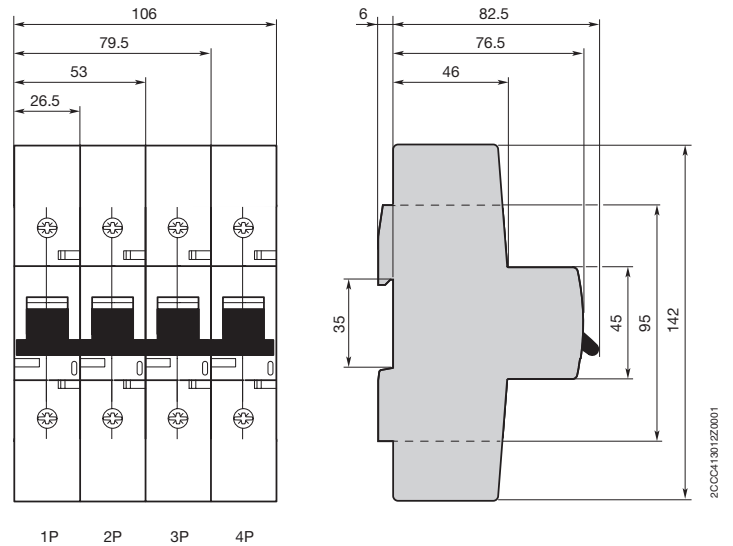


Ampere rating (A)	10–32	40–63	70–80
Conductor type	Single conductor per terminal – copper only, 60/75 °C wire	Single conductor per terminal – copper only, 60 °C wire only	Single conductor per terminal – copper only, 60 °C wire only
AWG, wire range	14 AWG–2 AWG Cu, solid or stranded	1/0 AWG–8 AWG Cu, solid or stranded	1/0 AWG–8 AWG Cu, solid or stranded
Jumper length (ft) Jumper length (cm)	1 30.5	1 30.5	2 61

Trip curves for S804U-UCZ



Dimension of S804U-UCZ



Tripping behavior acc. to UL489

Thermal tripping: $1.00 \dots 1.35 \times I_e$

Electromagnetic tripping: $11 \times I_e \pm 20\%$