

New S280U series Pro M Miniature Circuit Breakers

UL 489 Listed for branch circuit protection!

ABB is pleased to announce our new S280U series of miniature circuit breakers -- all the functionality of molded case circuit breakers plus all the great features of miniature circuit breakers:

- Branch circuit protective device
- Compact
- DIN rail mount
- Current limiting
- 1, 2, & 3 pole
- Ring-tongue terminal option



The ABB S280U series Pro M miniature circuit breakers are true **UL489 listed** compact molded case circuit breakers. They are suitable, per UL and the NEC, as branch circuit protective devices for circuits feeding either resistive or inductive loads including cables, duplex plugs, lighting, motors, transformers, and other loads where significant levels of inrush current are possible.

They can be applied in applications up to **240 VAC** and are available in a wide range of current ratings, from **0.2 up to 63 amps**. Both European and North American standard current sizes are available.



Low Voltage Products & Systems

The ABB logo, consisting of the letters "ABB" in a bold, red, sans-serif font.

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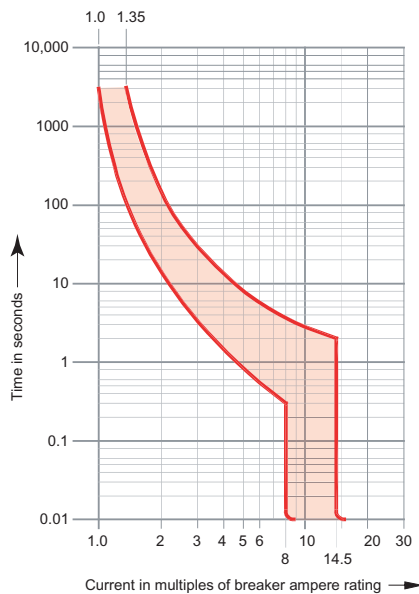
S281U-K_ 1-pole			S281UX-K_ 1-pole			S282UX-K_ 2-pole			S283-UX-K_ 3-pole		
Catalog number	List price	Box Qty.	Catalog number	List price	Box Qty.	Catalog number	List price	Box Qty.	Catalog number	List price	Box Qty.
S281U-K0.2	\$ 70	10	S281UX-K0.2	\$ 70	6	S282UX-K0.2	\$ 162	3	S283UX-K0.2	\$ 244	2
S281U-K0.3	70	10	S281UX-K0.3	70	6	S282UX-K0.3	162	3	S283UX-K0.3	244	2
S281U-K0.5	70	10	S281UX-K0.5	70	6	S282UX-K0.5	162	3	S283UX-K0.5	244	2
S281U-K0.75	70	10	S281UX-K0.75	70	6	S282UX-K0.75	162	3	S283UX-K0.75	244	2
S281U-K1	70	10	S281UX-K1	70	6	S282UX-K1	162	3	S283UX-K1	244	2
S281U-K1.6	70	10	S281UX-K1.6	70	6	S282UX-K1.6	162	3	S283UX-K1.6	244	2
S281U-K2	70	10	S281UX-K2	70	6	S282UX-K2	162	3	S283UX-K2	244	2
S281U-K3	70	10	S281UX-K3	70	6	S282UX-K3	162	3	S283UX-K3	244	2
S281U-K4	70	10	S281UX-K4	70	6	S282UX-K4	162	3	S283UX-K4	244	2
S281U-K5	70	10	S281UX-K5	70	6	S282UX-K5	162	3	S283UX-K5	244	2
S281U-K6	70	10	S281UX-K6	70	6	S282UX-K6	162	3	S283UX-K6	244	2
S281U-K8	70	10	S281UX-K8	70	6	S282UX-K8	162	3	S283UX-K8	244	2
S281U-K10	70	10	S281UX-K10	70	6	S282UX-K10	162	3	S283UX-K10	244	2
S281U-K13	70	10	S281UX-K13	70	6	S282UX-K13	162	3	S283UX-K13	244	2
S281U-K15	70	10	S281UX-K15	70	6	S282UX-K15	162	3	S283UX-K15	244	2
S281U-K16	70	10	S281UX-K16	70	6	S282UX-K16	162	3	S283UX-K16	244	2
S281U-K20	70	10	S281UX-K20	70	6	S282UX-K20	162	3	S283UX-K20	244	2
S281U-K25	70	10	S281UX-K25	70	6	S282UX-K25	162	3	S283UX-K25	244	2
S281U-K30	74	10	S281UX-K30	74	6	S282UX-K30	170	3	S283UX-K30	254	2
S281U-K32	74	10	S281UX-K32	74	6	S282UX-K32	170	3	S283UX-K32	254	2
S281U-K40	78	10	S281UX-K40	78	6	S282UX-K40	176	3	S283UX-K40	266	2
S281U-K50	88	10	S281UX-K50	88	6	S282UX-K50	206	3	S283UX-K50	306	2
S281U-K60	100	10	S281UX-K60	100	6	S282UX-K60	232	3	S283UX-K60	344	2
S281U-K63	100	10	S281UX-K63	100	6	S282UX-K63	232	3	S283UX-K63	344	2

Ring tongue terminal compatible.

Technical data

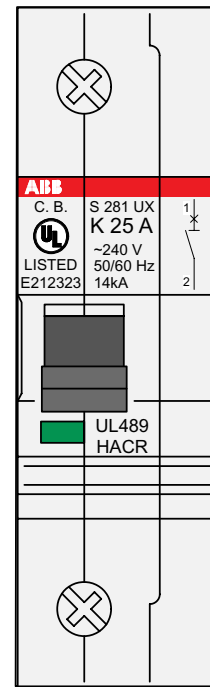
Approval	UL489 UL File No. E212323 CE Marked
Voltage	240 VAC 1, 2, and 3 pole
Current ratings (A)	0.2, 0.3, 0.5, 0.75, 1, 1.6, 2, 3, 4, 5, 6, 8, 10, 13, 15, 16, 20, 25, 30, 32, 40, 50, 60, 63
Interrupting capacity (A)	0.2 - 25A: 14kA @ 240VAC, 1, 2, and 3 pole 30 - 63A: 10kA @ 240VAC, 1, 2, and 3 pole
Frequency	50/60 Hz
Terminals	Dual function, up to (2) stripped wires plus fork style crimp terminals. Ring tongue terminal compatible
Terminal range	(1) 18 - 4 AWG or (2) 18 - 8 AWG
(copper wire only)	or (1) 18 - 4 AWG + (1) 18 - 14 AWG Solid or stranded wire, or mixed

Terminal torque	18 lb.in., combination flat blade / No. 2 posi-drive screw
Service life	20,000 operations at rated load
HACR rating	Heating, Air-Conditioning, and Refrigeration rating (marked on front of breaker)
Ambient temperature	25° C
Thermal release (A)	1.0 - 1.35 x MCB amperage rating
Magnetic release	8 - 14.5 x MCB amperage rating
Operational temperature range	-25° to +55° C



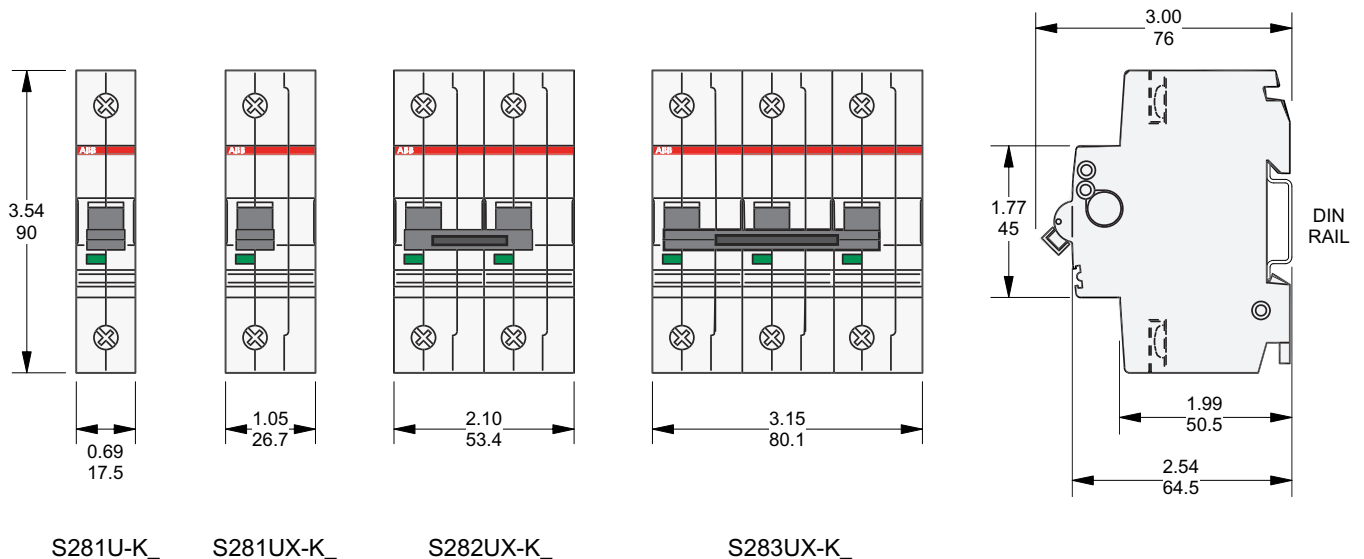
Time – Current trip curve

Thermal release threshold: 1.0 - 1.35X
Magnetic release threshold: 8 - 14.5X
Ambient calibration temperature: 25° C



S281UX-K25

Scale 1:1



S281U-K_

S281UX-K_

S282UX-K_

S283UX-K_

For more information on ABB Inc...

- Please contact me regarding an application/quotation.
- Please send latest product catalog.



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Please fill in the information below and fax this to us at:

FAX: 940-397-7085

Name _____

Company _____

Address / Mail Stop _____

City / State / Zip Code _____

Telephone _____

Fax _____

E-mail (for new product information) _____

Thank you for your interest in ABB! We will respond to your request immediately.



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***New branch circuit
rated miniature
circuit breakers***

