

Citadel HR

Heat-resistant switches for tunnels, car parks and occupied buildings, Rated at 400°C/2h

The new EN12101-3 standard specifies that fire ventilation installations in tunnels, car parks and occupied buildings, have to meet special heat resistance requirements.

Santon has obtained experience by supplying heat-resistant switches to tunnel builders for many years and were asked to supply the HR range of heat resistant switches for the re-building work carried out after the devastating fires in the Mont Blanc and other tunnels.

The knowledge gained in this industry has enabled Santon to develop the heat resistant Citadel HR switch and the sustained functionality of this range has been positively tested by the TÜV at a temperature of 400 °C during a period of 2 hours!

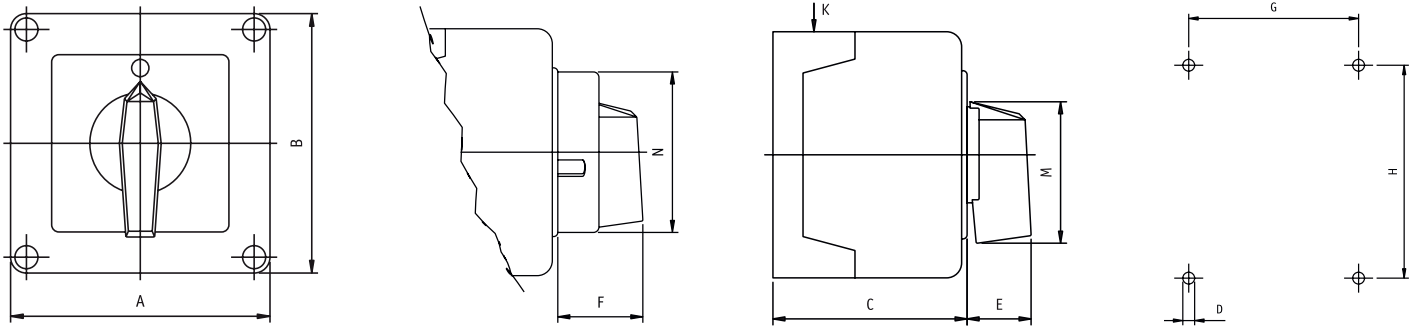
The Citadel HR heat-resistant switches are being used in for example:

- Multi story car parks
- Theatres and public buildings
- Congress buildings
- Office buildings (stairways)
- Multi story shopping malls
- Metro tubes and underground metro stations
- Tunnels

The Citadel HR switch is based on Santon's own multideck switch that excels in this area because of its heavy duty design. This multideck switch is based on a closed steel frame and on wiping action contacts that make and break safely when turning the knob by virtue of its solid metal mechanism. This ensures an absolutely safe and reliable operation, even when the switch is not operated for months.

Due to its heavy duty design, this range is also shock and vibration proof. The Citadel HR is waterproof, impact proof and chemical resistant and absolutely safe. It meets the severe standard 12101-3 for 400°C during a period of 2 hours and can be used for many applications.





Enclosure dimensions

	A	B	C	D	E	F	G	H	M	N	Knock outs
20A (2&3 Pole)	75	75	57,5	4,5	19	27	64	50	39,5	48	2xM20
20A (4&6 Pole)	75	75	79,5	4,5	19	27	64	50	39,5	48	2xM20
25A (2,3&4 Pole)	75	75	79,5	4,5	19	27	64	50	39,5	48	2xM20
25A (6 Pole)	90	90	98	4,5	19	27	63	79	39,5	48	2xM20
32A (2&3 Pole)	90	90	71	4,5	25	30	63	79	50	48	2xM20
32A (4&6 Pole)	90	90	98	4,5	25	30	63	79	50	48	2xM20
40A (2,3&4 Pole)	110	110	84	5,5	32	40	83	99	50	60	2xM25
40A (6 Pole)	110	110	118	5,5	32	40	83	99	50	60	2xM25
63A (2 Pole)	110	110	84	5,5	32	40	83	99	50	60	2xM25
63A (3,4&6 Pole)	110	110	118	5,5	32	40	83	99	50	60	2xM25
125A (2&3 Pole)	180	253	112	5,5	41,5	49	120	239	70,5	90	2xM30,1xM16
125A (4&6 Pole)	180	253	165	5,5	41,5	49	120	239	70,5	90	2xM30,1xM16

Note: • 20A, 25A & 40A units can be supplied in larger enclosures if required

Order references for Shelter disconnect switches:

Note switches come complete with 1 early break aux as standard

Capacity Pe (KW) at 415V, AC23	Ith A	2 poles non locking	2 poles locking	3 poles non locking	3 poles locking	4 poles non locking	4 poles locking	6 poles non locking	6 poles locking
7,5	20	M1.20.21	M2.20.21	M1.20.31	M2.20.31	M1.20.41	M2.20.41	M1.20.61	M2.20.61
11	25	M1.25.21	M2.25.21	M1.25.31	M2.25.31	M1.25.41	M2.25.41	M1.25.61	M2.25.61
15	32	M1.32.21	M2.32.21	M1.32.31	M2.32.31	M1.32.41	M2.32.41	M1.32.61	M2.32.61
18,5	40	M1.40.21	M2.40.21	M1.40.31	M2.40.31	M1.40.41	M2.40.41	M1.40.61	M2.40.61
30	63	M1.63.21	M2.63.21	M1.63.31	M2.63.31	M1.63.41	M2.63.41	M1.63.61	M2.63.61
45	125	M1.125.21	M2.125.21	M1.125.31	M2.125.31	M1.125.41	M2.125.41	M1.125.61	M2.125.61

Note:

- Padlocking handles are red/yellow as standard
- A 'G' is the suffix added to the reference for a grey padlocking handle
- 3 hole padlocking is standard on sizes 32A and above, 2 hole is the standard for sizes
- 20A & 25A unless fitted in larger enclosures



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