

# S4

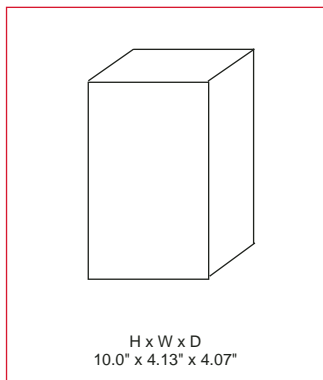
## 250A, 600VAC

### Electronic trip type

Isomax  
MCCBs



S4



H x W x D  
10.0" x 4.13" x 4.07"

Standard S4 package includes complete circuit breaker and mounting hardware. Order cable lugs or other connection scheme as a separate item.

#### General

The S4 breaker family is a 250A frame utilizing a microprocessor based overcurrent protective trip system. In the 250A version, the trip unit is adjustable from 100A up to 250A without the addition of any parts or rating plugs. As standard, the S4 includes adjustable long time function for overload protection and adjustable instantaneous function for short circuit protection.

#### Versions

To meet all application needs, the S4 is available in various versions:

- B = Adjustment LI
- C = Adjustment LSI
- E = Adjustment LSIG
- Q = 100% UL rated
- D = Molded case switch
- M = Magnetic only (MCP)

#### Trip functions

These tripping functions are available:

- L = Long time
- I = Instantaneous
- S = Short time
- G = Ground fault

#### Performance level

Each version is also available in different maximum fault interrupting levels:

- N = Normal
- H = High
- L = Extra high

#### Number of poles

In UL/CSA form, the S4 is available in two pole or three pole versions, both with the same dimensions. A four pole version is also available in UL/IEC form. For price estimate, add 35% to list price of selected version three pole breaker, contact ABB Control for details.

#### Accessory mounting

Internal accessories are UL/CSA approved for both factory or field installation. Accessories require control cable connectors. Shunt trips or UVR's mount in the left cavity. Auxiliary or bell alarm switches mount in the right cavity.

#### Reverse feeding

All versions of the S4 family are suitable for reverse feed applications.

#### Molded case switches

UL489 switches include no overcurrent protection except for a high instantaneous trip mechanism for self protection.

#### UL/CSA Interrupting capacity (kA RMS)

UL489 / CSA C22.2

Voltage	N	H	L
240VAC	65	150	200
480VAC	25	65	100
600VAC	18	22	35

#### IEC-947 Interrupting capacity (kA RMS)

Voltage	N	H	L
230VAC	65	150	200
380/400/415VAC	35	65	100
440VAC	30	50	80
500VAC	25	40	65
690VAC	18	22	30