SIEMENS

HED43B050



ED Frame Sentron Series Circuit Breakers are for use in individual enclosures, switchboards and panelboards. The breakers are available as thermal magnetic trip in types ED2, ED4, ED6 and HED4. ED frame breakers provide complete overload and short circuit protection by use of a time delay thermal trip element and an instantaneous magnetic trip element. All ED frame breakers are provided with load side lugs. Line side lugs may be added in the field if required. The catalog number for field added line side lugs for 15 Amp - 25 Amp circuit breakers is SA1E025. For 30 Amp - 100 Amp breakers the catalog number is LN1E100. For 110 Amp and 125 Amp, use TA1E6125. The CCE125 is the compression type lug for use on all ED frame breakers.

- 50 Amp rated
- All end frame breakers are provided with load side lugs
- All end frame breakers may be reverse connected
- Line side lugs are not included

Documents

Speed Fax Sections 1

Speed Fax Sections 2

Certificates

Certificate of suitability	UL489 / IEC 60947-2

Connections

Type of electrical connection / for main current circuit	MECHANICAL LUGS

Electricity

Continuous current / rated value	50 A

Environmental Conditions

Ambient temperature / during operation / maximum	75 degC
Ambient temperature / during operation / minimum	-25 degC

General Technical Data

Operating voltage / rated value / maximum	480 V

Mechanical Design

Size of the circuit-breaker	ED (125A)
Height [in]	6.35 in
Width [in]	3 in
Depth [in]	3.92 in

Information and Instruction 3

Model

Protective function of the overcurrent release	LI
Suitability for use	OVERLOAD AND SHORT CIRCUIT LINE PROTECTION
Design of the product	ED
Design of the overcurrent release	THERMAL - MAGNETIC
Product brand name	SIEMENS
Number of poles	3
Product designation	MOLDED CASE CIRCUIT BREAKER
Product sub brand name	SENTRON

Drawing 4

Switching Capacity According To UI 489

Trip class	HIGH
Maximum short-circuit current breaking capacity (Icu) / at 480 V / acc. to NEMA / rated value	42 kA
Maximum short-circuit current breaking capacity (Icu) / at 240 V / acc. to NEMA / rated value	100 kA

Cut Sheets 5

Delivery Information

Export Control Class	AL : N / ECCN : EAR99
Net Weight	0.325
Product_Dimensions (LxWxH)	7.3X3.9X5.6

Additional Product Information

EAN/UPC	30783643210166
Country of Origin	MX, US
Commodity Code	8536200020
RoHS Compliance	*DQ

Others 6

Product Selector Information

AC Interrupt Rating @ (kA)	System Voltage = 120V and Interrupt rating = 100 | System Voltage = 240V and Interrupt rating = 100 | System Voltage = 480V and Interrupt rating =

	42
Frame Amps	125
DC Interrupt Rating @ (kA)	System Voltage = 250V and Interrupt rating = 30
Trip Amps	50
Poles	3
% Rated	80
Trip Type	Thermal Magnetic

Speed Fax Sections 7

Drawing 8

Speed Fax Sections 9

Speed Fax Sections 10