# Product data sheet

Specifications



## Mini circuit breaker, E-Frame, 20A, 1 pole, 277VAC, 25kA max, bolt on [TAA]

EDB14020

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range** | 125 A Frame EDB-EGB-EJB |
| **Product Type** | Miniature circuit-breaker |
| **Device Short Name** | EDB |
| **Module Type** | E-Frame |
| **Trip Unit Rating** | 875 A |

## Complementary

| | |
|---|---|
| **Rated Current** | 20 A |
| **Maximum Operating Voltage** | 277 V AC |
| **AWG Gauge** | 12 AWG...6 AWG aluminium<br>14 AWG...6 AWG copper |
| **Breaking Capacity** | 18 kA 277 V AC<br>18 kA 240 V AC<br>25 kA 120 V AC<br>18 kA 120/240 V AC |
| **Circuit Breaker Application** | HID rated<br>Switching Duty rated<br>HACR rated |
| **Electrical Connection** | Lugs aluminium |
| **Holding Current** | 270 A |
| **Local Signalling** | Trip indicator |
| **Mounting Mode** | Bolt-on |
| **Number of Poles** | 1 |
| **Number of Spaces** | 1 |
| **Number of Spaces Required** | 1 |
| **Product Destination** | NF panelboard |
| **Protect Type** | Short-circuit<br>Overload |
| **Trip Unit Technology** | Thermal-magnetic |
| **Breaking Capacity Code** | D |
| **Tightening Torque** | 30.09 lbf.in (3.4 N.m) 0.004…0.02 in² (2.5…16 mm²) (14 AWG...6 AWG) |
| **Height** | 5.66 in (143.76 mm) |
| **Width** | 0.98 in (24.89 mm) |
| **Depth** | 4.05 in (102.87 mm) |
| **Product Weight** | 2 lb(US) (0.9 kg) |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Environment

| | |
|---|---|
| **Product Certifications** | cULus<br>IEC |
| **Ambient Air Temperature for Operation** | 104 °F (40 °C) |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10DE200931 |
| **Discount Schedule** | 0DE2 |
| **GTIN** | 785901878902 |
| **Returnability** | Yes |
| **Country of origin** | MX |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 1.900 in (4.826 cm) |
| **Package 1 Width** | 6.500 in (16.510 cm) |
| **Package 1 Length** | 10.700 in (27.178 cm) |
| **Package weight(Lbs)** | 20.960 oz (594.206 g) |
| **Unit Type of Package 2** | PAL |
| **Number of Units in Package 2** | 324 |
| **Package 2 Height** | 26.000 in (66.040 cm) |
| **Package 2 Width** | 40.000 in (101.600 cm) |
| **Package 2 Length** | 48.000 in (121.920 cm) |
| **Package 2 Weight** | 459.0006 lb(US) (208.199 kg) |

## Compliance

| | |
|---|---|
| **Compliance** | TAA Compliant |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **7 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **4 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0.2 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0.2 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **1 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.9 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| SCIP Number | **8781af64-acd9-485c-9a86-abcdfbd458e3** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| California proposition 65 | **WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **30** |
| Circularity Profile | **No need of specific recycling operations** |
| Take-back | **No** |