

AC SB M 160A 4POL CG 06KV

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



General ordering data

| | |
|------------|---|
| Version | Photovoltaics, Load break switch, Switch disconnecter, 600 V AC, 160 A, 4 pole, Manual switch |
| Order No. | 3103190000 |
| Type | AC SB M 160A 4POL CG 06KV |
| GTIN (EAN) | 4099987148399 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|--------|-----------------|--------------|
| Depth | 215 mm | Depth (inches) | 8.4645 inch |
| Height | 360 mm | Height (inches) | 14.1732 inch |
| Width | 270 mm | Width (inches) | 10.6299 inch |
| Net weight | 3241 g | | |

Temperatures

Ambient temperature -25 °C...55 °C

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
 REACH SVHC No SVHC above 0.1 wt%

Guarantee

Time interval 5 years

General data

Standards IEC 60947-3, IEC 61439-2 Protection degree IP65
 Installation location Protected outdoor area (>1 km from sea)

Load break switch

| | | | |
|---|-----------|----------------------------------|------------------|
| Voltage type | AC | Nominal voltage | 400 V |
| Nominal current | 160 A | Number of contacts as NC contact | 0 |
| Rated mainly active load-breaking current | 160 A | Connection type | Screw connection |
| Rated short-circuit making current | 13 kA | Rated peak withstand current | 7 kA |
| Mechanical endurance class | M2 (5000) | Number of contacts as NO contact | 4 |

Connection

Design as main switch Yes Device with pre-assembled cabling No

Control element

Motor drive integrated No Type of actuator element Short rotary handle
 Motor drive optional No Voltage release optional No

Electrical characteristics

Rated permanent current at AC-23, 400 V 160 A Conditioned rated short-circuit current I_q 7 kA
 Switching power at 400 V, max. 110 kW Rated operation power at AC-23, 400 V 88 kW

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Rated permanent current at AC-21, 400 160 A

V

Enclosure

| | | | |
|------------------------------------|--------------|--|----|
| Construction type of device | Field device | Suitable for front mounting centre | No |
| Suitable for intermediate mounting | No | Suitable for distribution board installation | No |
| Suitable for front mounting 4-hole | No | | |

Switch description

| | | | |
|--|-----|--|-----|
| lockable | Yes | Design as emergency stop installation | No |
| Design as safety switch | No | Design as maintenance- / service switch | Yes |
| Number of switches | 1 | Neutral conductor with leading switching | Yes |
| Number of auxiliary contacts as normally0 closed contact | | Number of auxiliary contacts as normally0 open contact | |
| Design as reversing switch | No | Number of auxiliary contacts as change- 0 over contact | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000216 | ETIM 9.0 | EC000216 |
| ETIM 10.0 | EC000216 | ECLASS 14.0 | 27-37-14-03 |
| ECLASS 15.0 | 27-37-14-03 | | |

Tender specification sheets

| | |
|--------------------|--|
| Long specification | <p>Load break Switch in polyester housing. Suitable for disconnection on the AC side. Number of poles: 4 Rated operational current (Ie) (Ie): - according to IEC (AC-21): 160 A Rated operational voltage (Ue): - according to IEC: 690 V Suitability for use: Emergency Stop Switch: No Main Switch: Yes Number of contacts normally open: 4 Number of contacts normally closed: 0 Number of switching positions: 2 Lockable: Yes The switch is mounted using 4 screws. Protection class (IP): 65 Dimensions HxWxD: 360x270x215 mm. Approved according to Low-voltage Switchgear and Controlgear: IEC 60947-3, DIN VDE 0660 Part 107 (EN 60947-3)</p> |
|--------------------|--|

