General Data

Standards  UL 489
Poles  3P
Tripping characteristics  K
Rated current $I_n$  30 A
Rated frequency $f$  50 / 60 Hz
UL / CSA
Rated voltage  480Y / 277 V AC
Short-circuit current rating acc. to UL 489  14 kA
Reference temperature for tripping characteristics  40°C
Electrical endurance  6,000 ops (AC); 1 cycle (1s - ON, 9s - OFF)

Mechanical data

Housing  Insulation group I, RAL 7035
Toggle  Insulation group II, black, sealable
Contact position indication  Real CPI (green OFF, red ON)
Protection degree acc. to DIN EN 60529  IP20 1), IP40 in enclosure with cover
Mechanical endurance  20,000 ops.
Shock resistance acc. to IEC/EN 60068-2-27  25 g - 2 shocks - 13 ms
Vibration resistance acc. to IEC/EN 60068-2-6  5g - 20 cycles at 5…150…5 Hz with load 0.8In
Environmental conditions (damp heat cyclic) acc. to IEC/EN 60068-2-30  28 cycles with 55°C/90-96% and 25°C/95-100%
Ambient temperature  -25 ... +55°C
Storage temperature  -40 ... +70°C

Installation

Terminal  Failsafe bi-directional cylinder-lift terminal
Cross-section of conductors (top/bottom)  Solid, stranded: 35 mm² / 35 mm²
Flexible: 25 mm² / 25 mm²
18 – 4 AWG
Cross-section of busbars (top/bottom)  10 mm² / 10 mm²
18 – 8 AWG
Tightening  torque  2.8 Nm
AWG 18-16: 13.3 in-lbs.
AWG 14-10: 17.7 in-lbs.
AWG 8-4: 39.8 in-lbs.
Screwdriver  No. 2 Pozidriv
Mounting  On DIN rail 35 mm acc. to EN 60715 by fast clip
Mounting position  Any
Supply  Optional

Dimensions and weight

Mounting dimensions acc. to DIN 43880  Mounting dimension 3
Pole dimensions (H x D x W)  111 x 69 x 17.5 mm
Pole weight  Approx. 125 g

Combination with auxiliary elements

Auxiliary contact  Yes
Signal contact  Yes
Shunt trip  Yes

1) Also fulfilling the requirement acc. to the protection degree IPXXB

Contact us

ABB STOTZ-KONTAKT GmbH
Eppelheimer Straße 82
69123 Heidelberg, Germany
Phone: +49 (0) 6221 7 01-0
Fax: +49 (0) 6221 7 01-13 25
E-Mail: info.desto@de.abb.com

Note:
We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document. We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG.

Copyright© 2016 ABB
All rights reserved