



**Part No.: 33198**  
**QUADRON®CrossLinkBreaker**  
**NH fuse switch disconnecter size 00, 160 A**  
**3-pole, 60 mm system, top and bottom by rotating,**  
**for busbars 12,15,20,25,30x5/10, double-T and triple-T- section**

**System :**  
60mm-System classic

**Product Advantages :**  
Adapter system for CrossLink® Technology  
Safe and quick refitting of top / bottom connection, live parts remain shock protected  
Snap on busbar provides easy and secure contacts  
The shock protection cover is in 2 pieces to provide for safe connection of cables  
Can be mounted over the flat busbar supports

**Standards :**  
IEC 60947-1:2004  
IEC 60947-3:1999  
IEC 60947-1:2007  
IEC 60947-3:2008  
EN 60947-1:2007  
EN 60947-3:2009  
DIN EN 60947-1/04.08  
DIN EN 60947-3/02.10

**Approvals :**  
VDE, IEC (CB), Germanischer Lloyd, GOST, CCC

Type No.: QCB-NH 00

CCC certificate: 2010010302403934

**Electrical Data :**

690 V AC / 440 V DC / 160 A  
type of current AC (50-60Hz) / DC  
rated insulation voltage 800V  
rated surge withstand capacity 6kV  
conditional rated short circuit current 50 kA  
utilisation categories AC-21B (690 V), AC-22B (500 V), DC-21B (220 V), DC-21B (440 V / 100 A),  
DC-22B (220 V / 63A)  
DC specifications: 2 current paths (L1, L2) in series  
with fuse links gL/gG 500V/160A,690V/125A

for fuse links to IEC 60269-2 / DIN VDE 0636-2 size 00 up to 12 W

AC-20B (1000 V), DC-20B (1000 V) pollution degree 2  
if application more than DC 440V /AC 690V or AC 160A: do not operate under load

Conv. therm. current 200A (AC 20B), with knife link part. no. 03161, Cu busbar minimum 20x5mm  
tin-plated, and cable Cu 95mm<sup>2</sup>  
visible instruction necessary

According to the AC and DC switching characteristics and in consideration of the overload  
conditions, the following distances to earth metal parts have to be provided.

- top 100mm, side 50mm

By using as a disconnecter (switching not under load) the mentioned distances are not applicable.

Power dissipation:

The power dissipation of the device results in 8,3 W at a typical  
load with 80 % of the nominal current.

(The power dissipation is 13 W for application at nominal current.)

Component unit, front side degree of protection IP30 according to DIN EN 60529; degree of  
protection near terminal depends on installation.

Adapter module, front side degree of protection IP20 according to DIN EN 60529 (safety against  
finger touch).

**Mechanical Data :**

Width x Height x Depth (mm): 106 x 200 x 97

Weight (g): 1000

busbar connection: screw less with externally spring-loaded contacts, easy adjustment from 5 to 10  
mm busbars and reverse

**Connections :**

Box terminal:

1,5 -70mm<sup>2</sup> flexible cables, directly or with wire-end ferrules\*, depending on contour of the insulated lead 95mm<sup>2</sup> could be connectable

1,5 -10mm<sup>2</sup> solid round

16 -70mm<sup>2</sup> stranded round

2x10mm<sup>2</sup>, 2x16mm<sup>2</sup> and 2x25mm<sup>2</sup> flexible with wire-end ferrules, identical cables placed side by side, crimping square

2x6 -50mm<sup>2</sup> flexible identical cables placed side by side

la. Cu. 9-13 mm wide

Terminal space 13mm x 13mm

(\*flexible cables of maximum cross-section may not fit when using wire-end ferrule)

**Material Characteristics :**

Main body:

temperature stability 120°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 200,

Shock protection cover:

temperature stability 120°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 200

Handle:

temperature stability 120°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 200

Adapter plate:

temperature stability 120°C,  
self-extinguishing in acc. to UL 94,  
creepage resistance CTI 200

Contacts:

spring-loaded contacts,  
copper, silver plated

**Versions :**

See 33 398 for variant with screw M8

See 33 324 for variant with fuse monitoring

See 33 206 for variant with electromechanically fuse monitoring

**Accessories to Article 33198 :**

03849 lid interlock

for fuse switch-disconnector size 00

33156 pilot switch for lid position

1 N / 1 NC : 250 V AC / 5 A; 30 V DC / 4 A

33315 trim cover 2 sections

for NH-LTS Gr. 00

33317 trim strip

for NH-LTS Gr. 00

**Accessories to Article 33198 :**

78105 double trim frame  
232 x 210, not for 33221, 33222

78893 trim frame  
130 x 210, not for 33221, 33222

79811 cover for connecting space  
for 33197, 33198, 33199, 33200