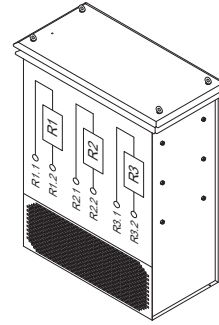
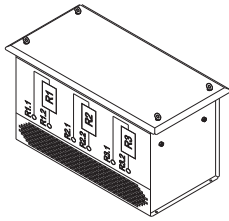




NHA3717302



	Ω	kW
VW3 A7 790	3x 6,7 Ω	20kW (40°C)

	Ω	kW
VW3 A7 791	3x 6,7 Ω	60kW (40°C)

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Only appropriately trained persons who are familiar with and fully understand the contents of the present manual and all other pertinent product documentation and who have received all necessary training to recognize and avoid hazards involved are authorized to work on and with this equipment.
- Installation, adjustment, repair, and maintenance must be performed by qualified personnel.
- Verify compliance with all local and national electrical code requirements as well as all other applicable regulations with respect to grounding of all equipment.
- Before performing work and/or applying voltage on the equipment, follow the instructions given in the appropriate installation manual.

Failure to follow these instructions will result in death or serious injury.

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this product. © 2025 Schneider Electric. All Rights Reserved.



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Опция для продуктов Altivar и Altistart.
 Пожалуйста, обратитесь к сообщению о преобразователе частоты EAC / программном сартере в приложении к началу работы, размещенном на веб-сайте производителя. Авторизованный поставщик в Республике Казахстан:
 ТОО «Шнейдер Электрик»
 Адрес: 050010, РК, г. Алматы, пр. Достык, 38, бизнес-центр «Кен Дала», 5 этаж, левое крыло.
 Тел.: +7 (727) 339 23 57
 Номер службы поддержки клиентов:
 Тел.: +7 (727) 339 24 52

Altivar және Altistart өніміне арналған опция. Өндірушінің веб-сайтында орналастырылған «Жұмысқа кірісу» қосымшасындағы EAC жиілік инвертер / бірқалыпты іске қосу құрылғысы хабарламасына сілтеме жасауыңызды сұраймыз.
 Қазақстан Республикасындағы уәкілетті жеткізуші:
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 тел.: +7 (727) 339 23 57
 Клиенттерге қызмет көрсету нөмірі:
 тел.: +7 (727) 339 24 52

DANGER

HAZARD OF FIRE

Before installing the product, verify that all cardboard and other packaging material has been completely removed from the product.

Failure to follow these instructions will result in death or serious injury.



The temperature of the products described in this manual may exceed 250 °C during operation.

WARNING

HOT SURFACES

- Ensure that any contact with hot surfaces is avoided.
- Do not allow flammable or heat-sensitive parts in the immediate vicinity of hot surfaces.
- Verify that the product has sufficiently cooled down before handling it.
- Verify that the heat dissipation is sufficient by performing a test run under maximum load conditions.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

WARNING

INCORRECT HANDLING

- Lifting and handling must be performed by qualified personnel in accordance with the requirements of the site and in compliance with all pertinent regulations.
- Verify that there are no persons or obstructions in the area of operation of the lifting and handling equipment.
- Use lifting and handling equipment appropriate for the load and take all necessary measures to avoid swinging, inclination, toppling and any other potentially hazardous conditions.
- Follow all handling instructions provided in this manual and in all associated product documentation.
- Take all measures required to avoid damage to the product and other hazards when handling or opening the packaging.
- Handle and store the product in its original packaging.
- Do not handle and store the product if the packaging is damaged or appears to be damaged.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

To help protect the product before installation, handle and store it in its packaging.
Ensure that the specified ambient conditions are followed.



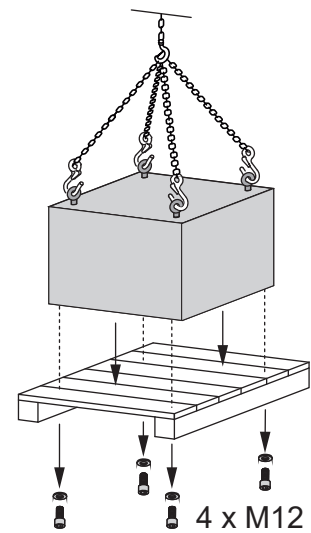
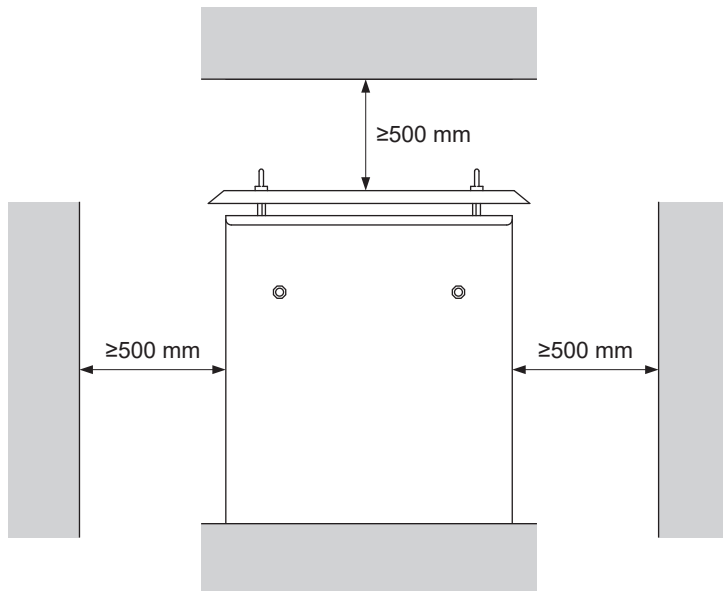
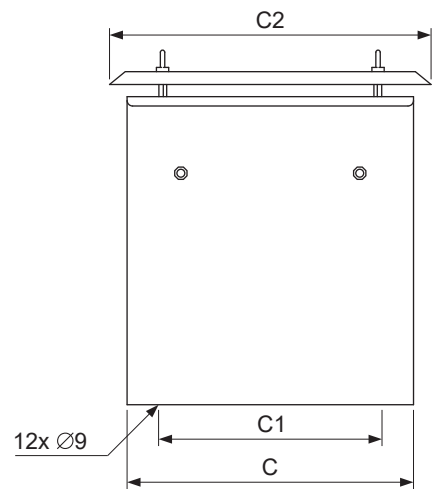
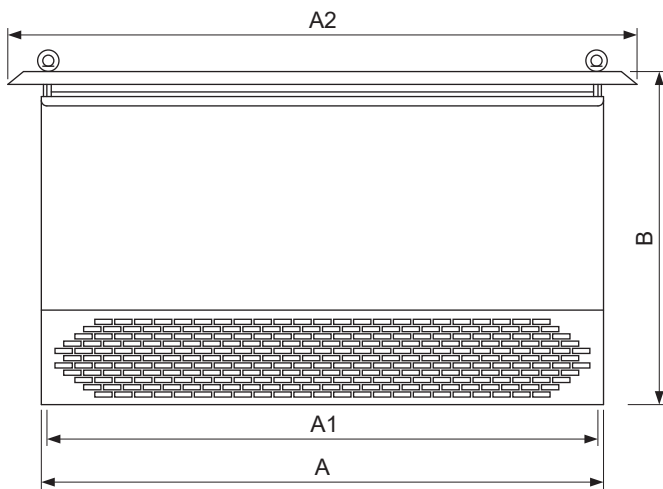
CAUTION

SHARP EDGES

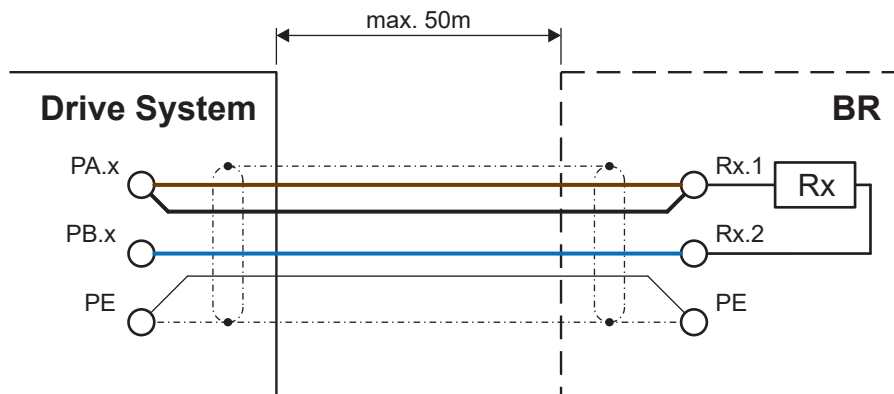
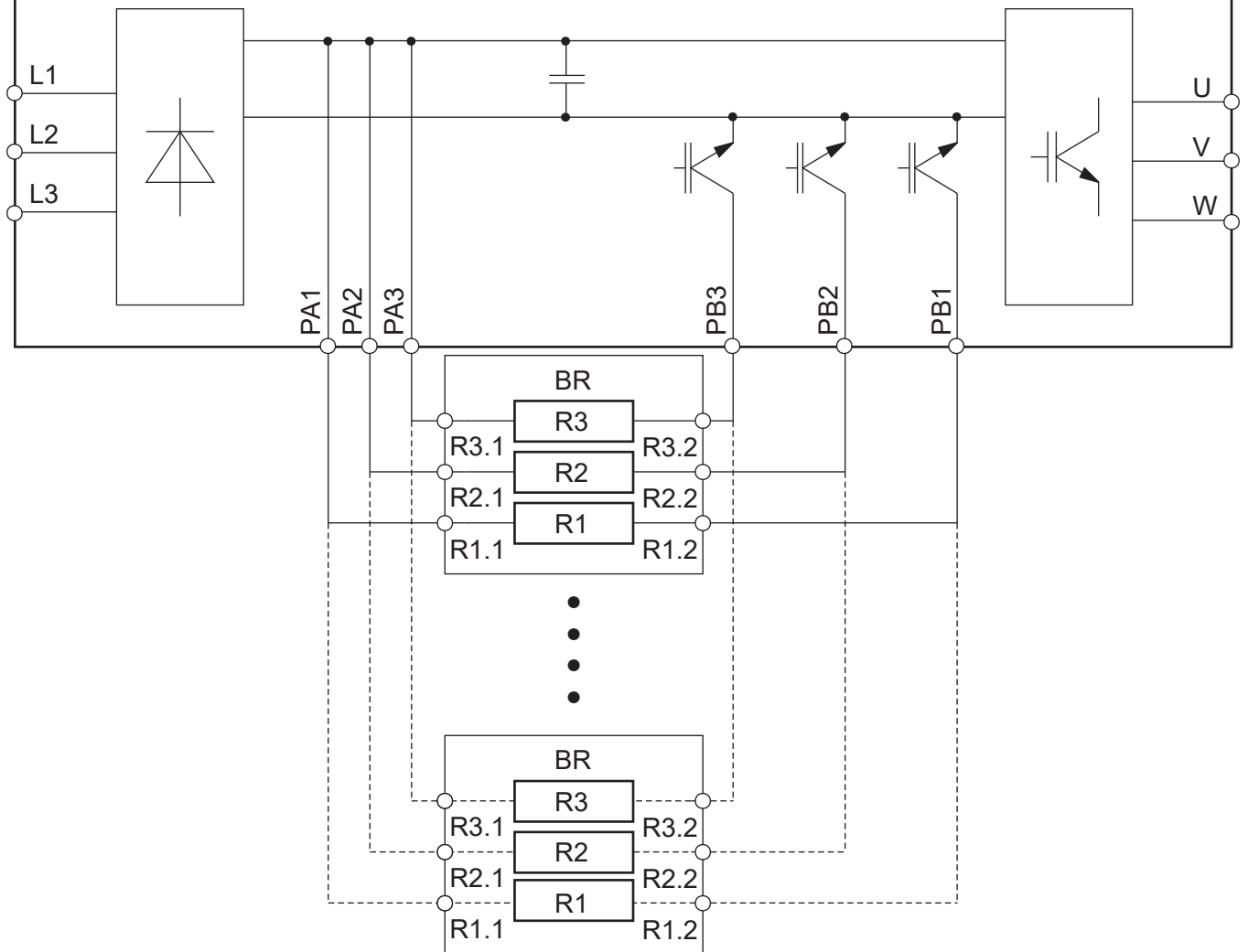
- Use all necessary personal protective equipment (PPE) such as gloves when performing any type of work whatsoever on or with the braking resistor.
- Ensure that no other persons can perform any type of work whatsoever on or with the braking resistor unless such persons use all necessary personal protective equipment (PPE) such as gloves.
- The cut resistance of the gloves must be at least level C as per ISO 23388 or level A2 as per ANSI/ISEA 105.

Failure to follow these instructions can result in injury or equipment damage

	A	B	C	A1	C1	A2	C2	Ø	
	mm	mm	mm	mm	mm	mm	mm	mm	kg
VW3A7790	940	605	565	920	380	1060	540	9x 12	48.5
VW3A7791	940	1285	485	920	380	1060	540	9x 12	126



ATV960 / ATV980 Single Drive Systems + BUO 1c / 2c
 ATV990 MultiDrive Systems + BUO 1mc / 2mc




The shield and the protective conductor must be connected to the intended PE terminals inside the inverter as well as inside the braking resistors.

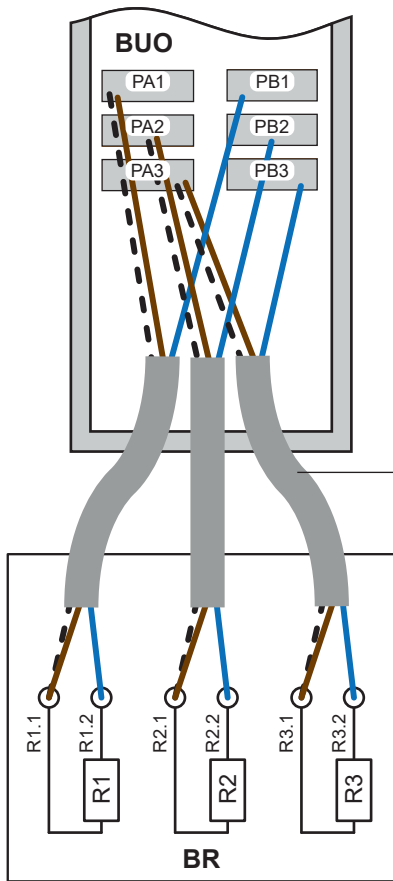
Schirm und PE-Leiter müssen sowohl im Umrichter als auch in den Bremswiderständen an die vorgesehenen PE-Anschlüsse geklemmt werden.

Wiring of the braking unit option BUO 1c / 1mc for 160 kW

Verdrahtung der Bremsstelloption BUO 1c / 1mc für 160 kW

M10 bolts


27 N.m
(239 lbf.in)



3 cables | Kabel
3x 70 mm² (AWG 2/0)
e.g. NYCWY 3x 70 sm / 35

(two conductors for the connection PAX to Rx.1,
one conductor for PBy to Ry.2)

(zwei Leiter für die Verbindung PAX auf Rx.1,
ein Leiter für PBy auf Ry.2)


1x 3-phase braking resistor BR
(1x BR 6,7-3 / 20 or 1x BR 6,7-3 / 60)
3x 6.7 Ohm

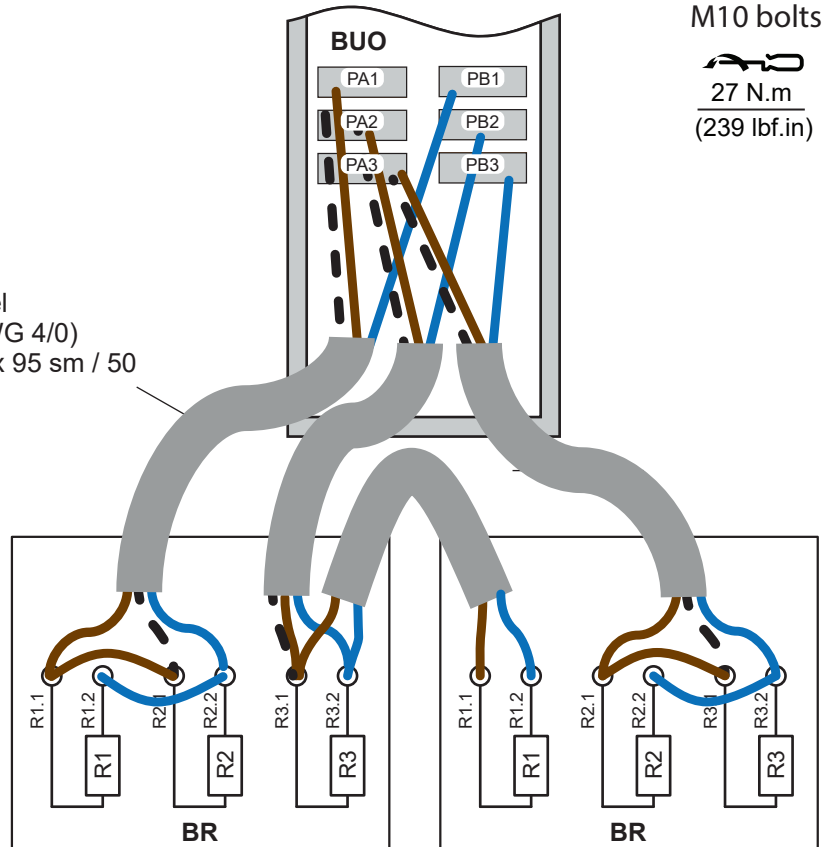
1x 3-phasiger Bremswiderstand BR
(1x BR 6,7-3 / 20 oder 1x BR 6,7-3 / 60)
3x 6,7 Ohm

Wiring of the braking unit option BUO 1c / 1mc for 315 kW

Verdrahtung der Bremsstelloption BUO 1c / 1mc für 315 kW

M10 bolts


27 N.m
(239 lbf.in)



3 cables | Kabel
3x 95 mm² (AWG 4/0)
e.g. NYCWY 3x 95 sm / 50

(two conductors for the connection PAX to Rx.1,
one conductor for PBy to Ry.2)

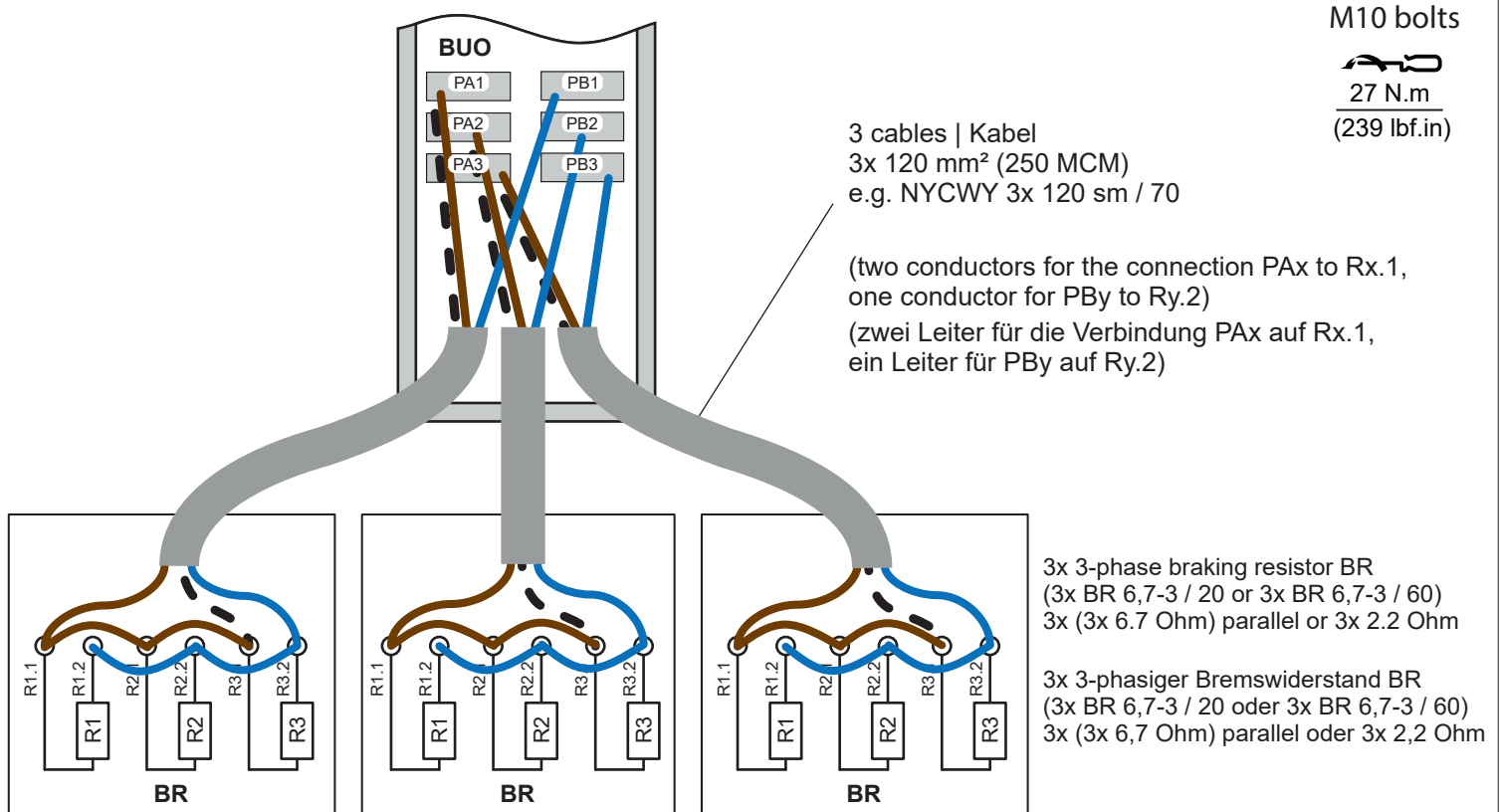
(zwei Leiter für die Verbindung PAX auf Rx.1,
ein Leiter für PBy auf Ry.2)

2x 3-phase braking resistor BR
(2x BR 6,7-3 / 20 or 2x BR 6,7-3 / 60)
2x (3x 6.7 Ohm) parallel or 3x 3.4 Ohm

2x 3-phasiger Bremswiderstand BR
(2x BR 6,7-3 / 20 oder 2x BR 6,7-3 / 60)
2x (3x 6,7 Ohm) parallel oder 3x 3,4 Ohm

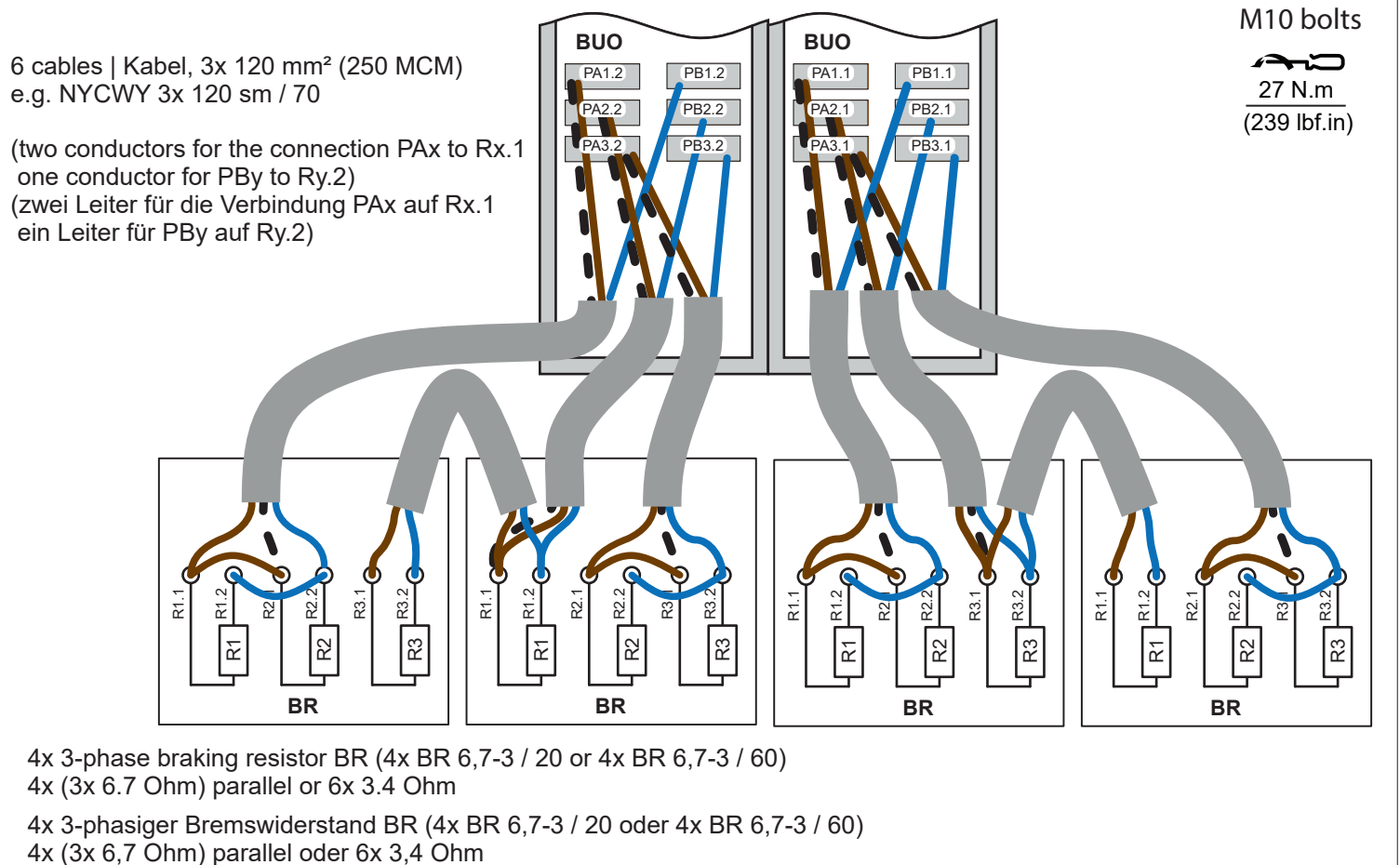
Wiring of the braking unit option BUO 1c / 1mc for 500 kW

Verdrahtung der Bremsstelloption BUO 1c / 1mc für 500 kW



Wiring of the braking unit option BUO 2c / 2mc for 630 kW

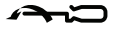
Verdrahtung der Bremsstelloption BUO 2c / 2mc für 630 kW



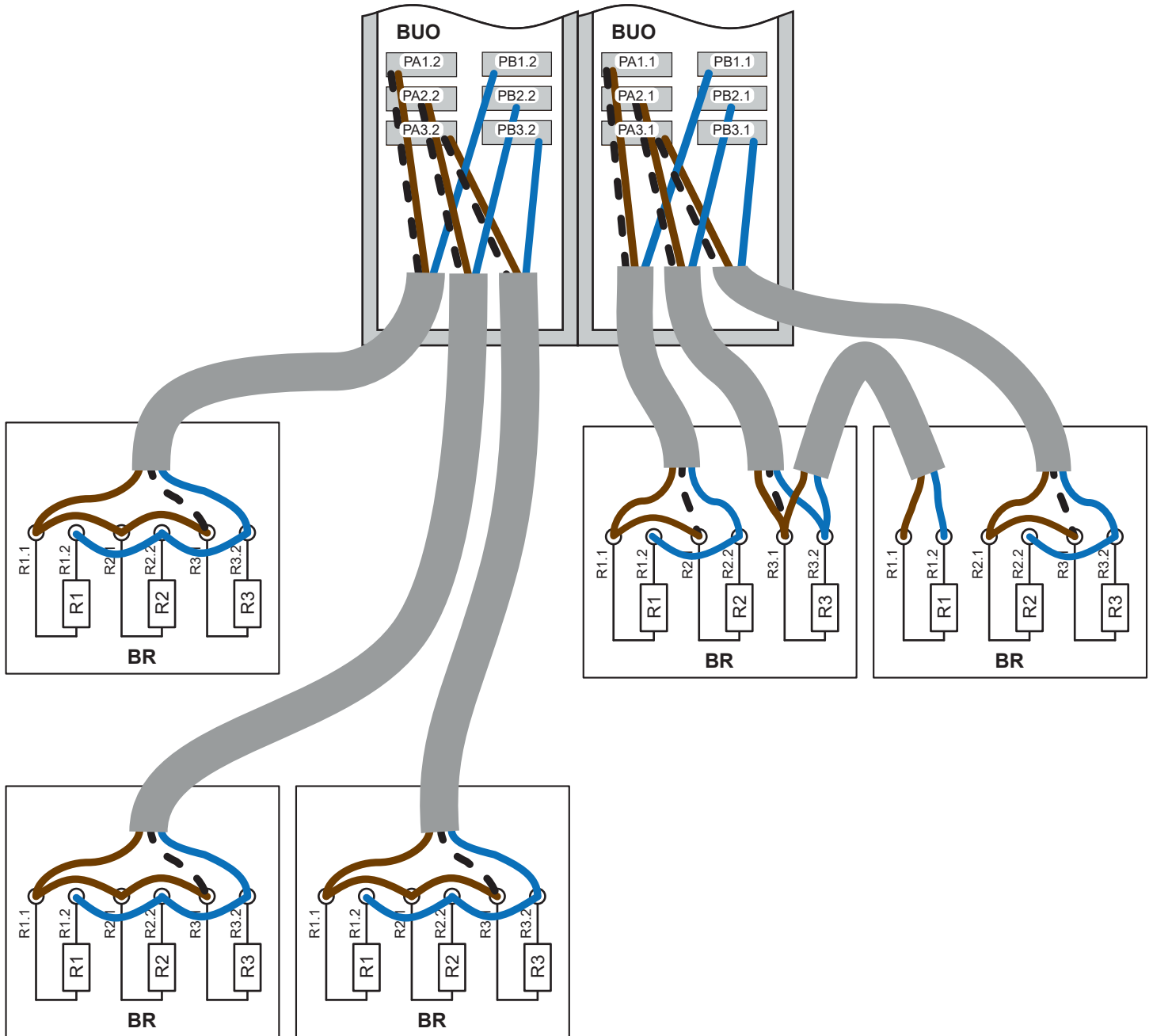
Wiring of the braking unit option BUO 2c / 2mc for 800 kW Verdrahtung der Bremsstelleroption BUO 2c / 2mc für 800 kW

6 cables | Kabel, 3x 120 mm² (250 MCM)
e.g. NYCWY 3x 120 sm / 70

M10 bolts


27 N.m
(239 lbf.in)

(two conductors for the connection PAX to Rx.1, one conductor for PBy to Ry.2)
(zwei Leiter für die Verbindung PAX auf Rx.1, ein Leiter für PBy auf Ry.2)




5x 3-phase braking resistor BR (5x BR 6,7-3 / 20 or 5x BR 6,7-3 / 60)
(3 + 2)x (3x 6.7 Ohm) parallel or 6x 2.7 Ohm

5x 3-phasiger Bremswiderstand BR (5x BR 6,7-3 / 20 oder 5x BR 6,7-3 / 60)
(3 + 2)x (3x 6,7 Ohm) parallel oder 6x 2,7 Ohm

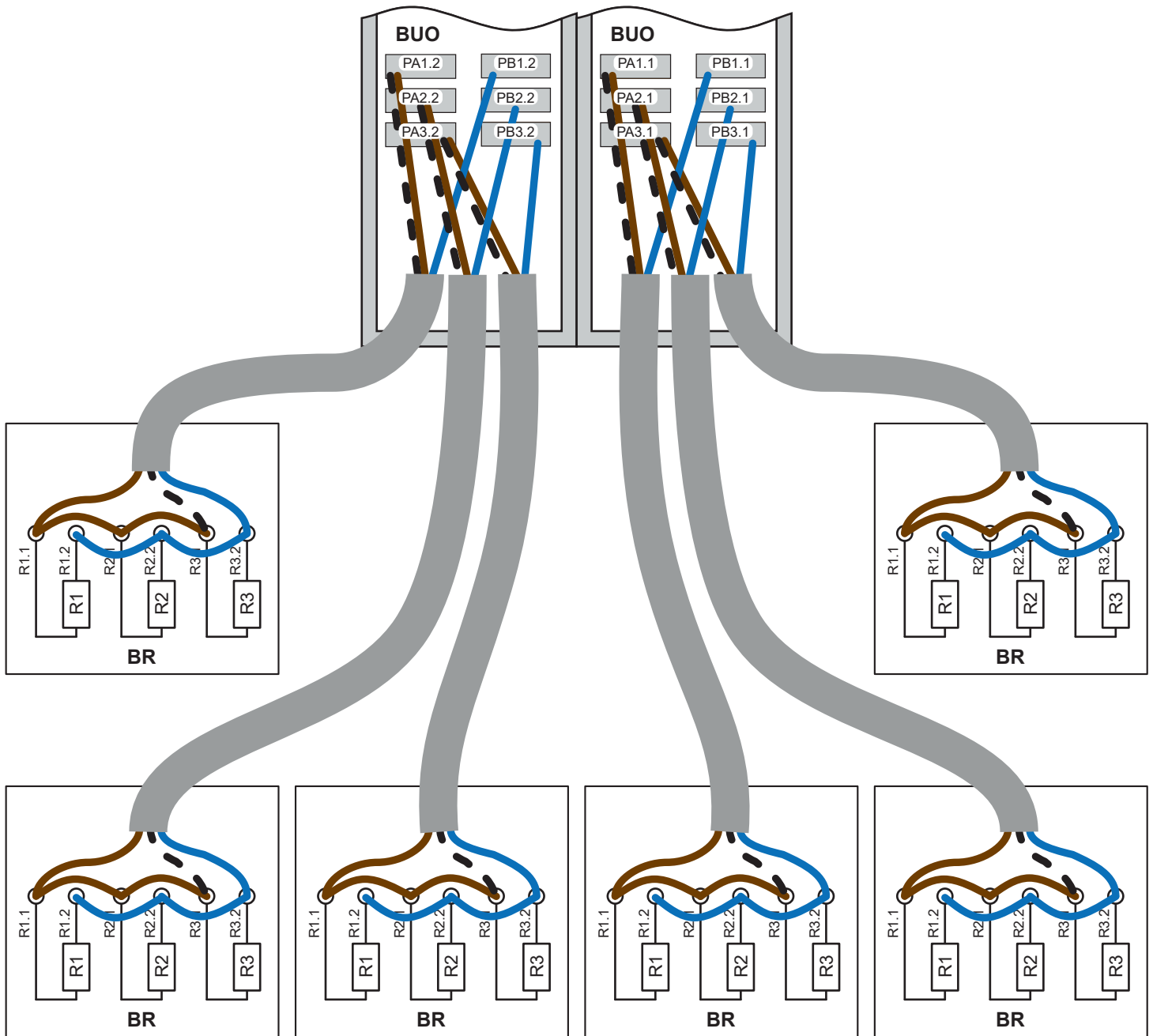
Wiring of the braking unit option BUO 2c / 2mc for 1000 kW Verdrahtung der Bremsstelleroption BUO 2c / 2mc für 1000 kW

6 cables | Kabel, 3x 120 mm² (250 MCM)
e.g. NYCWY 3x 120 sm / 70

M10 bolts


27 N.m
(239 lbf.in)

(two conductors for the connection PAX to Rx.1, one conductor for PBy to Ry.2)
(zwei Leiter für die Verbindung PAX auf Rx.1, ein Leiter für PBy auf Ry.2)



6x 3-phase braking resistor BR (6x BR 6,7-3 / 20 or 6x BR 6,7-3 / 60)
6x (3x 6.7 Ohm) parallel or 6x 2.2 Ohm

6x 3-phasiger Bremswiderstand BR (6x BR 6,7-3 / 20 oder 6x BR 6,7-3 / 60)
6x (3x 6,7 Ohm) parallel oder 6x 2,2 Ohm