
FPA-5000



BOSCH

BDL - F.01U.009.201
A5.0.de / 24.10.2005
ST-FIR /PRM1/deh

Inhalt/Hinweise

Inhalt

Dieses Anschaltehandbuch zeigt, wie Peripheriegeräte an die Brandmeldezentrale FPA-5000 angeschlossen werden.

Produktinformation

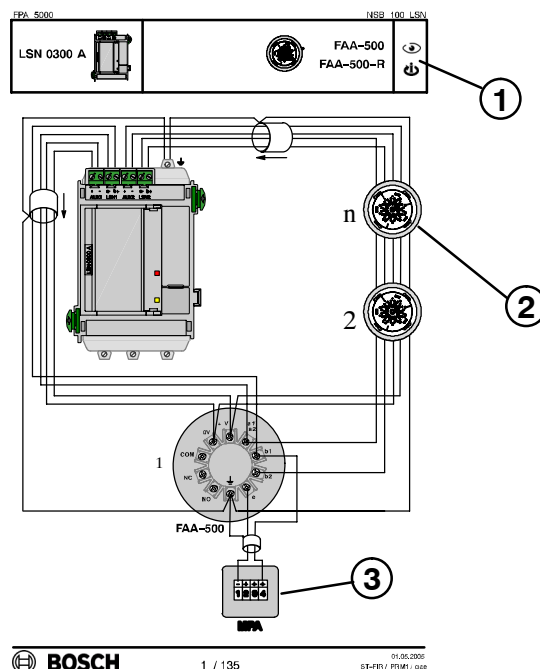
Montage und Installation von Komponenten der modularen Brandmeldezentrale FPA-5000 wird in den beigelegten Produktbeschreibungen/ Montageanleitungen der einzelnen Komponenten beschrieben.

Weiterführende Informationen finden sie im aktuellen Katalog oder im Internet unter:

www.bosch-sicherheitsysteme.de

www.bosch-best.de

(Zugriffsberechtigung erforderlich)



Wichtige Hinweise

- ▶ Nur das von BOSCH Sicherheitssysteme empfohlene Montagematerial verwenden!
- ▶ Umbau- und Lötarbeiten nur mit Erdungsarmband durchführen!
- ▶ Montage und Installation nur durch Fachpersonal!
- ▶ Anschlussbedingungen der regionalen Behörden / Institutionen beachten!

 GEFAHR	Gefahr eines Stromschlags! Lebensgefahr bei Berührung von stromführenden Teilen. ▶ Vor Installationsarbeiten die Stromzufuhr unterbrechen!
--	---

①	Symbolik     	überwacht / nicht überwacht mit / ohne Rückmeldung explosionsgefährdeter Bereich
②	1 ... n	Ansteuerung weiterer Geräte abhängig vom jeweiligen Strombedarf (siehe Produktinformation)
③	 MPA  zusätzliche Energieversorgung $\Delta U > 6V$	optionale Komponenten (bei Bedarf) z.B. MPA (Melderparallelanzeige) zusätzliche Energieversorgung (bei Spannungsabfall $> 6V$)

Inhalt

Tableaus	8
Module	9
Meldersockel	11
Sondermelder	24
Manuelle Melder	50
Koppler	57
Signalgeber	68
Feuerwehreinrichtungen	124
Türsteuerungen	130
Übertragungseinrichtungen	133

Indexverzeichnis

Gerätebezeichnung **Seite**

A

ADP-NB,	125
AKS-UM1,	69–72
Alarmline LHD 4,	24, 25
Analog Modem,	133
AT 2000 Analog,	134
AT 2000 ISDN,	134
ATE ISDN,	134

B

BAT 100 LSN,	8
BD 101 M,	20
BD 102 IA,	20
BD 102 O,	20
BES-A,	73–76
BES-A/O,	76, 77
BGÜ 20 – Typ G/H,	135
BGÜ 40,	136
BGÜ 40/30,	137
BL 1,	79–82
BL 200,	83–86
BS ATG 100 LSN,	8
BS NTK 100 LSN,	67

D

DCA1192, SB3,	41
DF 1192,	26, 27
DF1101A-EX,	41
DKM 120,	50, 51
DKM Typ K Ex-97,	52
DM 1103B-X,	41
DM 200 LSN,	53
DO1101A-EX,	41
DS 10,	87–90

E

ESG-A,	91–94
ESG-A/O,	94, 95



F

FAA-500,	11
FAA-500-R,	11
FAA-MSR 420,	12
FAT 2002,	124
FAT 2002 RE,	125
FBF 100 LSN,	126
FIBS,	127
Fireray 100RV,	31, 32
Fireray 100RV (2x),	33
Fireray 2000,	28, 29
Fireray 2000 (2x),	30
Fireray 50RV,	31, 32
Fireray 50RV (2x),	33
FK 100 LSN,	57
FLM-420-NAC-D,	58
FLM-420-NAC-S,	59
FLM-420-RHV-D,	60
FLM-420-RHV-S,	61
FLM-I 420-S,	62
FNSK,	128, 129
FSE,	128, 129
FTÖ Modell 331,	131

G

GAT 100,	64
GAT 100,	66
GÜ 101-B,	138

H

Heat measurement Detector,	48, 49
HPW 11,	96

I

IS 28 VCH / EX,	97, 98
-----------------------	--------

L

Löschanlage,	10
LSN 0300 A,	10
LSN Redundanz,	10



M

MA 500,	132
MDL-F,	139
MS 200 LSN,	13, 14
MS 400,	15, 16
MS 420,	15
MSD 320 LSN,	17
MSF 400,	15, 16
MSR 320,	18
MSS 300-SA,	99
MSS 300-WS,	100, 101
MSS 300-WS-EC,	102, 103, 104
MSS 400 LSN,	105
MSS 400 LSN-SA,	106
MSS 401 LSN, 107,	109
MSS 401 LSN (ERT),	108
MSS 401 LSN-SA,	110

N

NAK 100 LSN,	63
NBK (ERT),	108
NBK 100 LSN,	64
NBM 110,	54
NKK 100 LSN,	65
NMS 100 LSN,	19, 20
NMSV 100 LSN,	20
NSB (ERT),	108
NSB 100 LSN,	66
NTK 100 LSN,	67
NZM 0002 A,	9
NZM Sync,	9

O

ORM 130/8-Ex,	34
---------------------	----

P

PB 2005,	112–115
----------------	---------

R

RAS 100 LSN-1,	38
RAS 100 LSN-2,	38
RAS 51B,	35
RAS 51B (2x),	36
RAS 54,	37
RAS-XL,	39
Redundanz LSN,	10
REK 100 LSN,	40
RKLE,	115



S

SD 24V,	128, 129
SD 3,	128, 129
SG 100,	117–120
SG 200,	121–124
SKM 120,	50, 51
SM 120 RW,	55
SM 200 LSN,	53
SM 210 LSN RW,	56
Synchronisation NZM,	9

T

TF2F,	140
TITANUS PRO SENS TP1,	42
TITANUS PRO SENS TP2,	43
TITANUS TOP SENS TT1,	44
TITANUS TOP SENS TT2,	45
Transafe ADW 511,	46, 47
Transafe ADW 511A,	46, 47
TSZ 0400 LSN,	130
TUS 35,	141
Typ K,	41
TZ 210 N,	131, 132

U

UAR,	71, 75, 81, 85, 89, 93, 114, 119
UE–F–D/T,	142

W

Wärmestabmelder,	48, 49
WDM 215/8–Ex,	34

Y

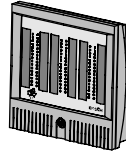
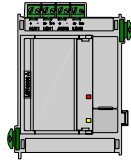
YBO–R/SCI,	107, 108
------------------	----------

Z

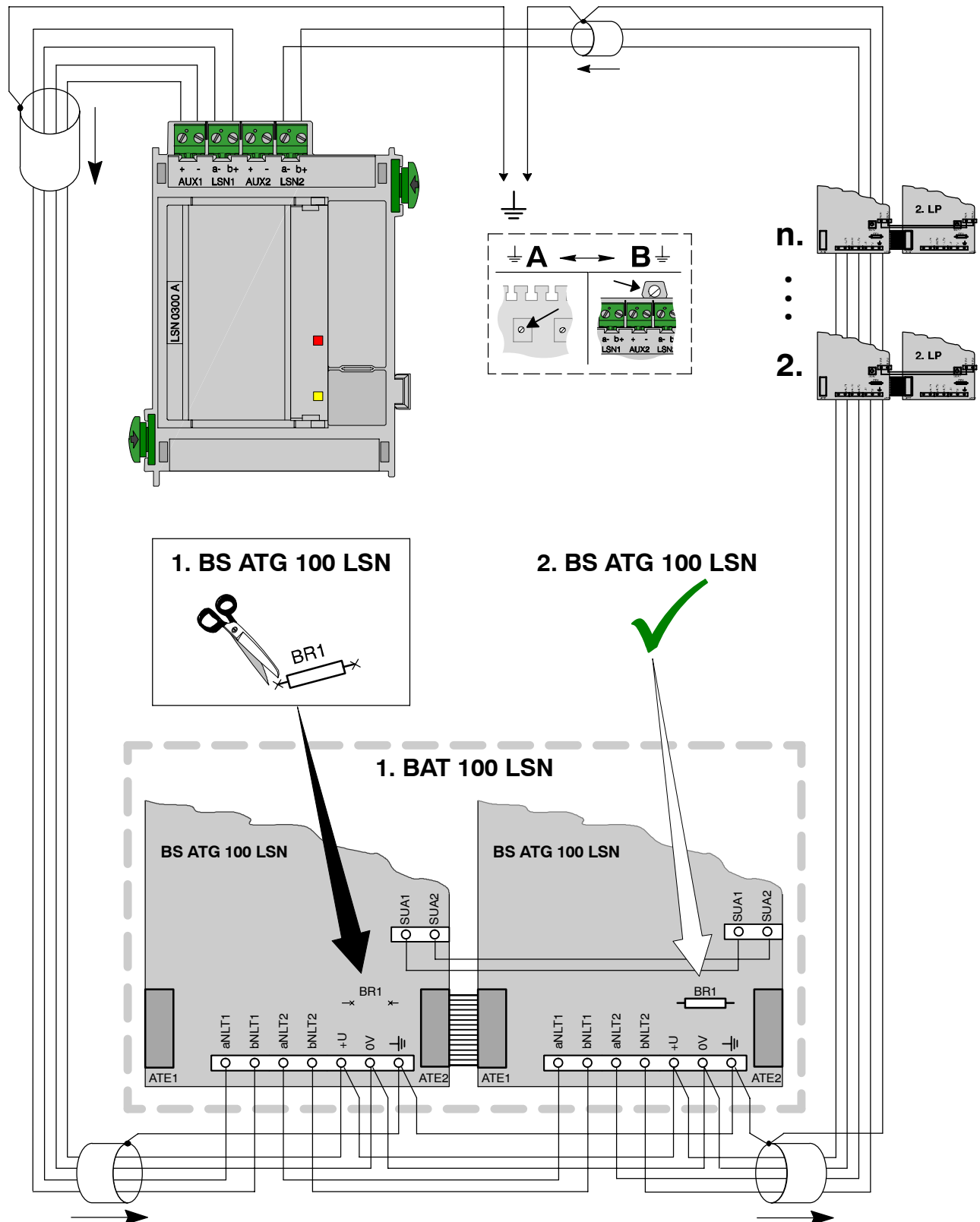
Z 2406 ,	21
Z 2406 (EX),	22
Z 96 C (EX),	23

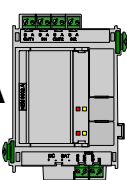
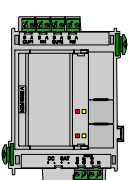


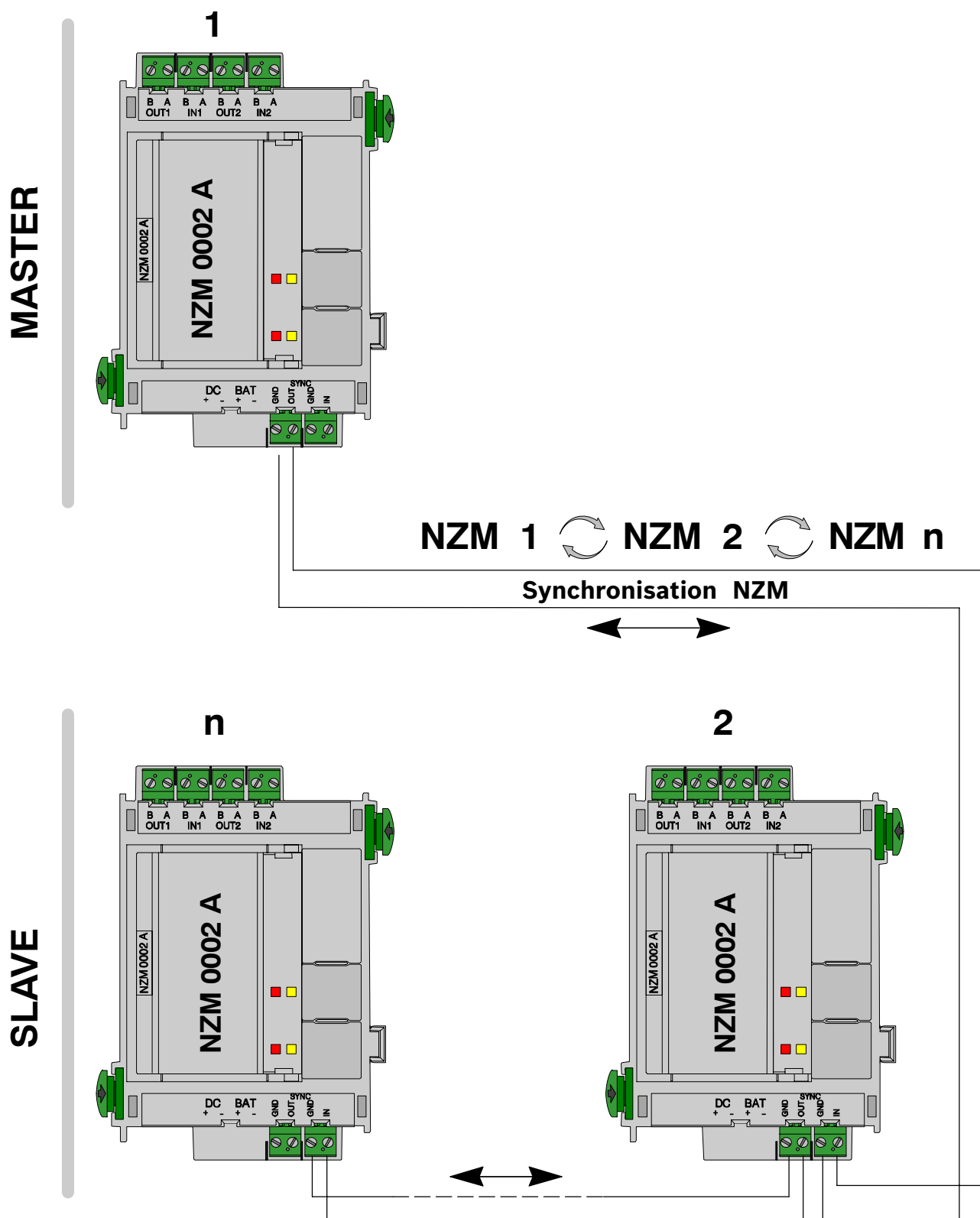
LSN 0300 A

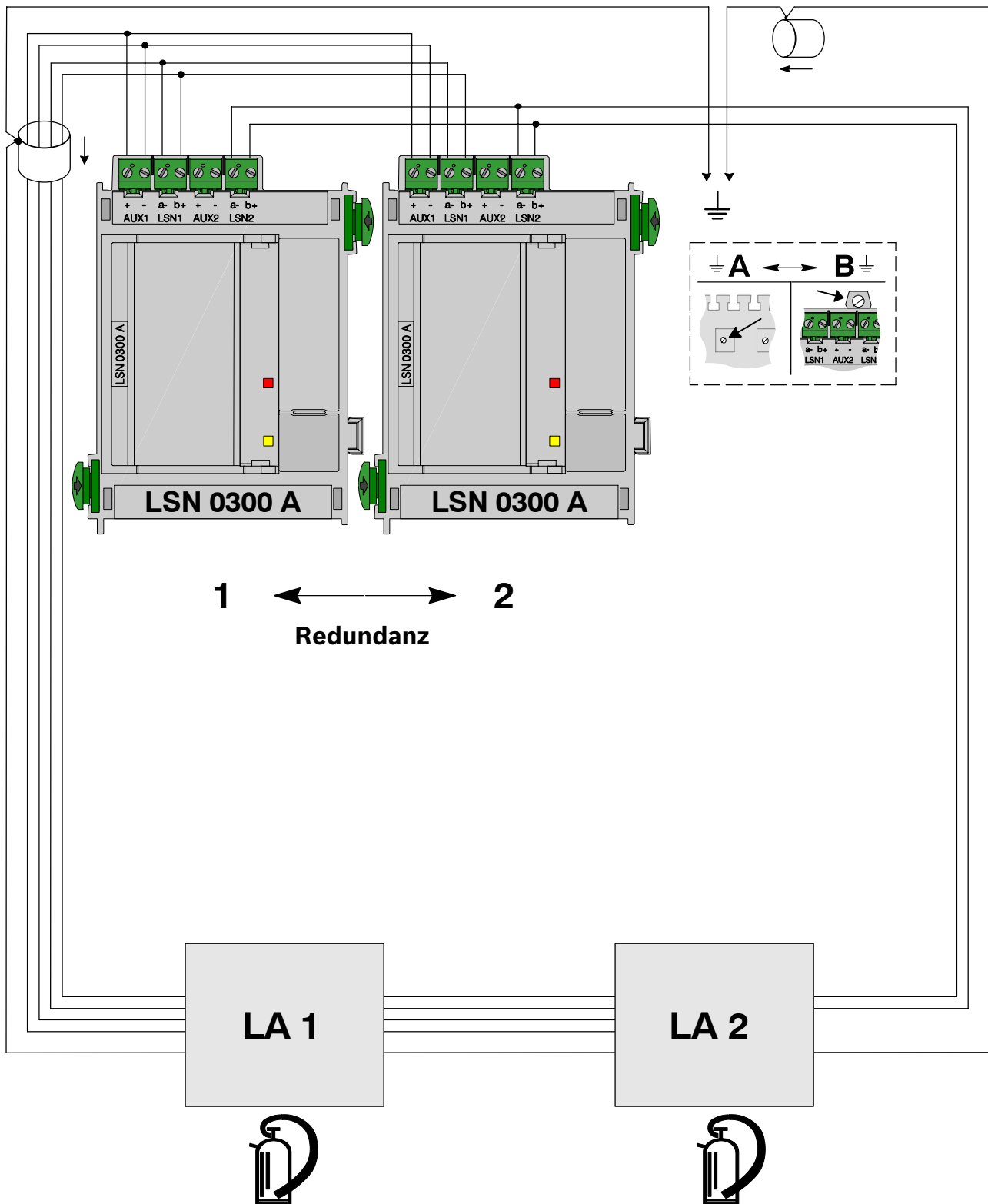
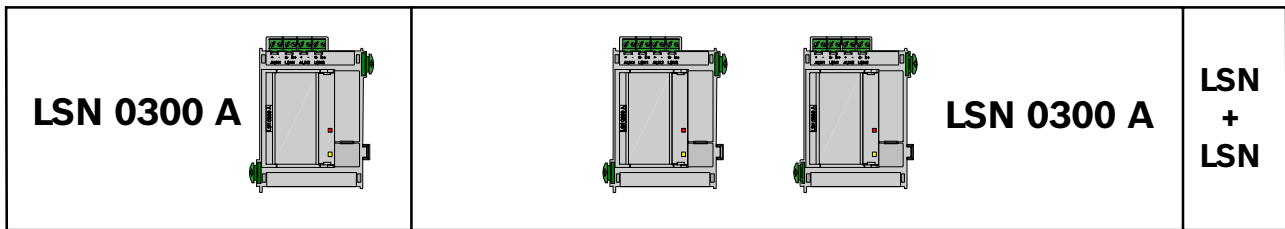


BAT 100 LSN
BS ATG 100 LSN

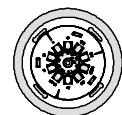
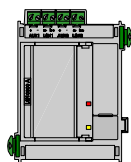
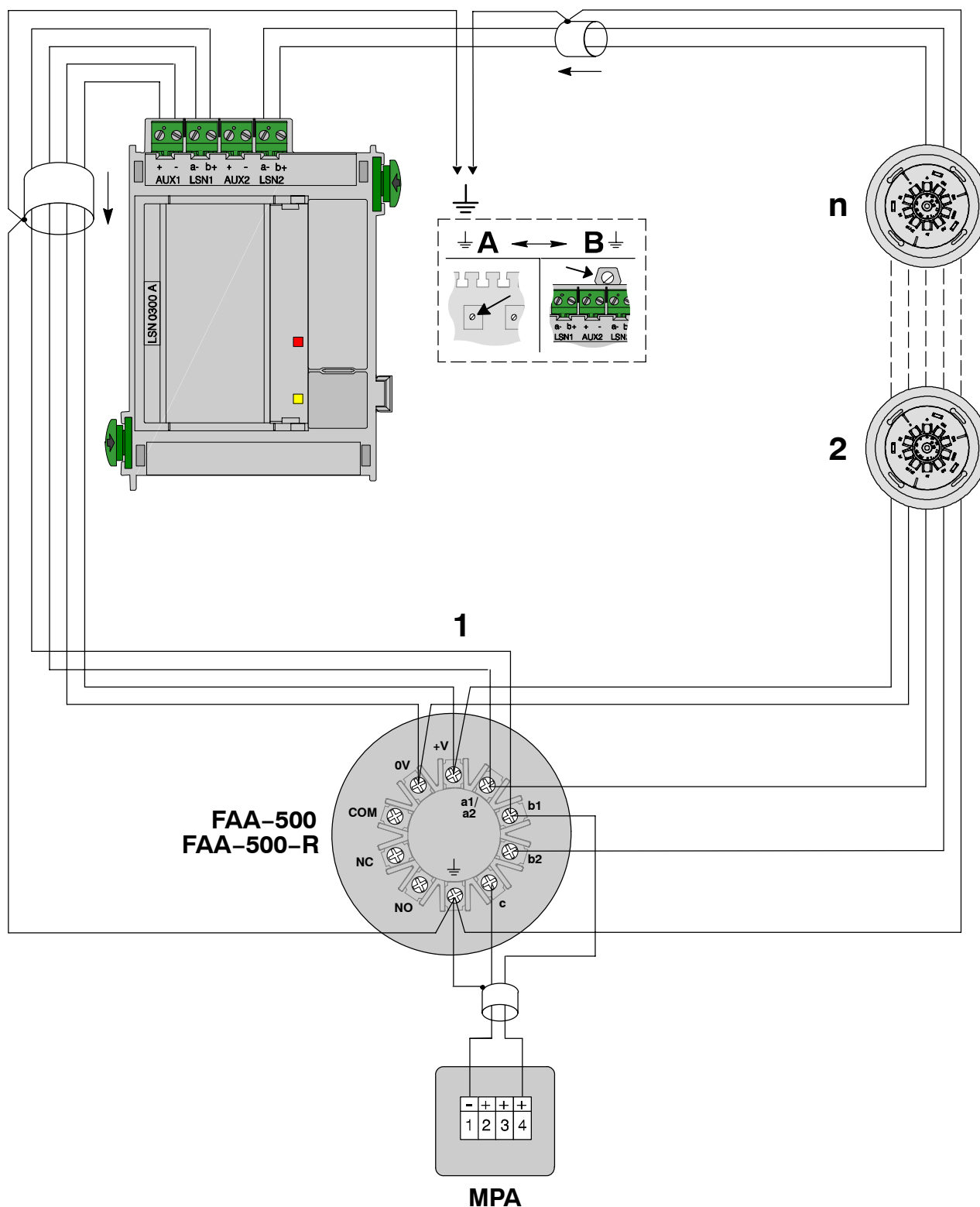


 NZM 0002 A	 NZM 0002 A	NZM + NZM
--	---	---------------------------------

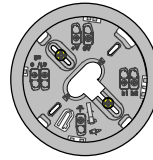
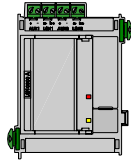




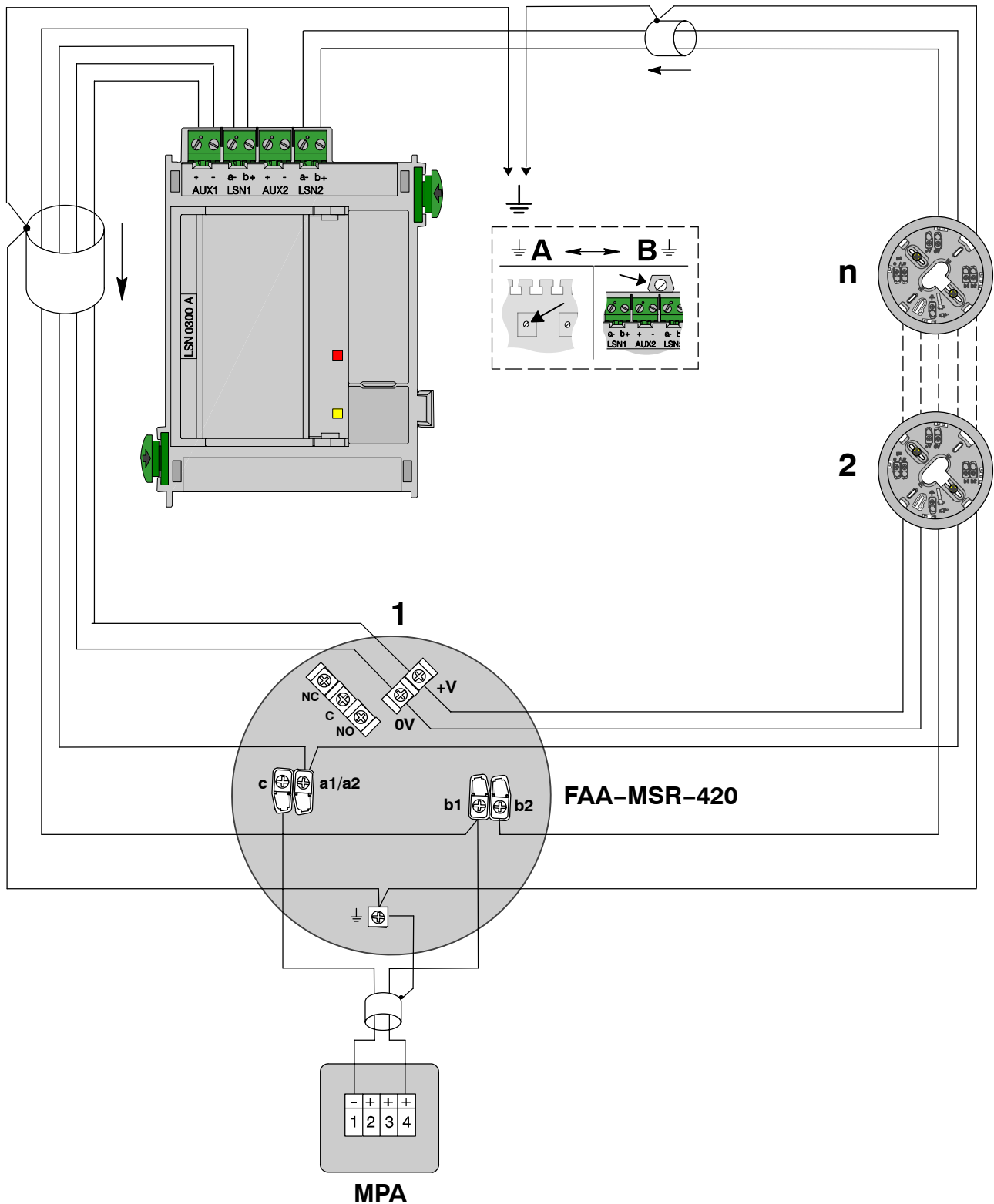
LSN 0300 A


FAA-500
FAA-500-R


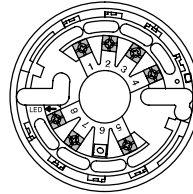
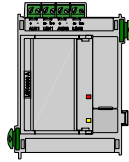
LSN 0300 A



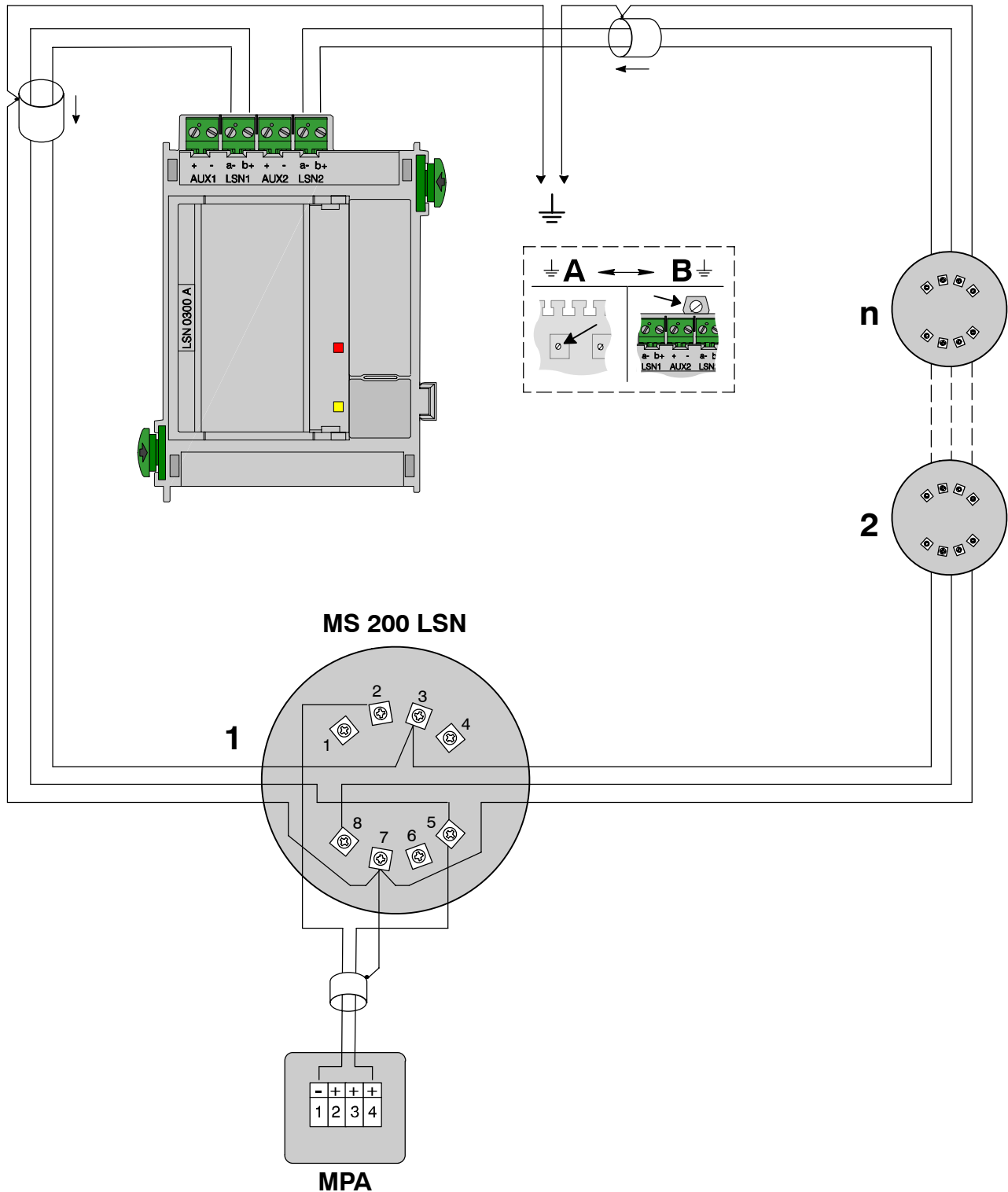
FAA-MSR 420

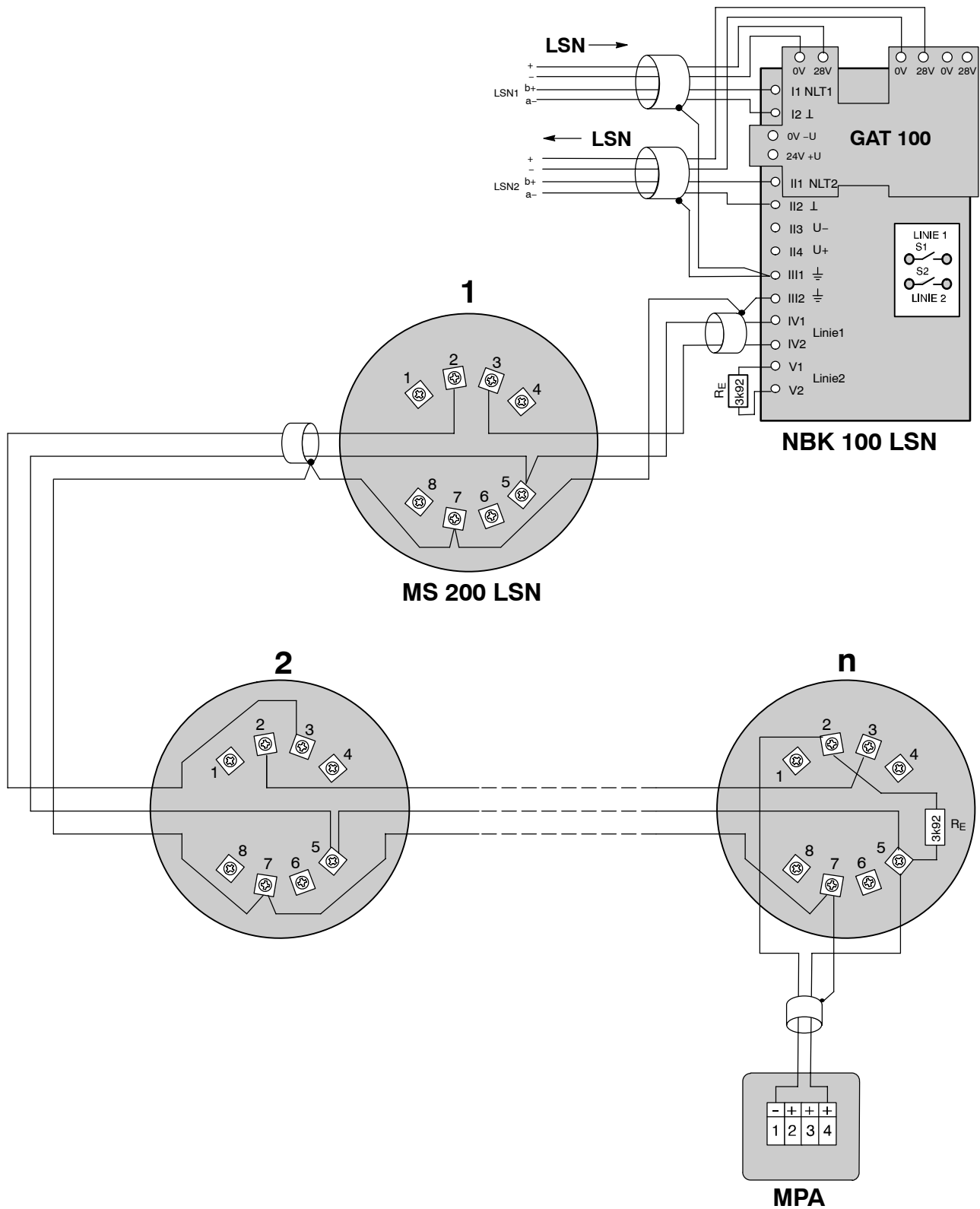
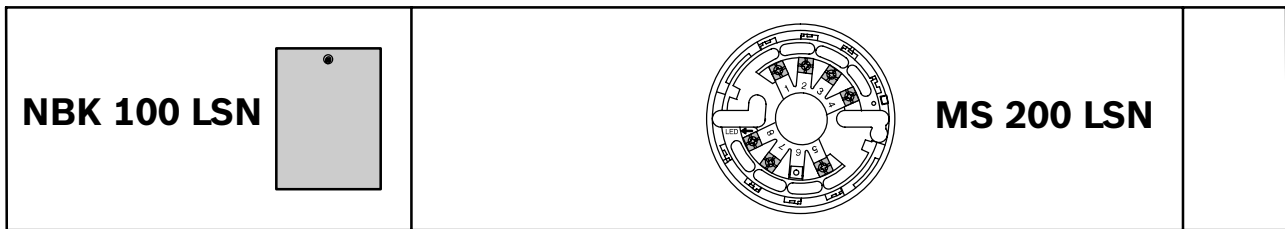


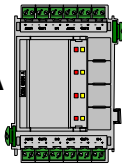
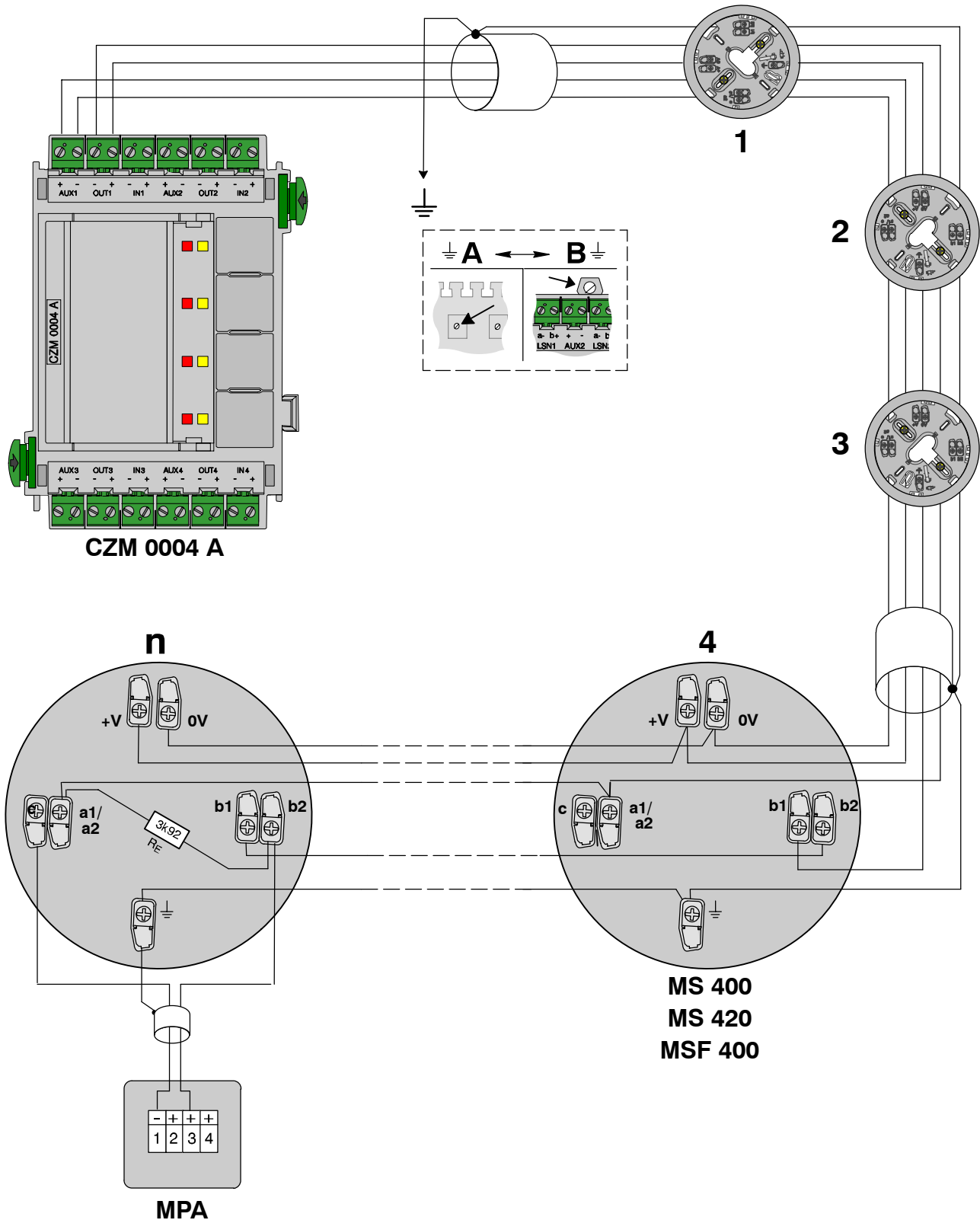
LSN 0300 A



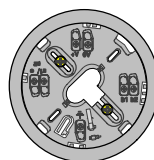
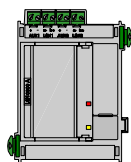
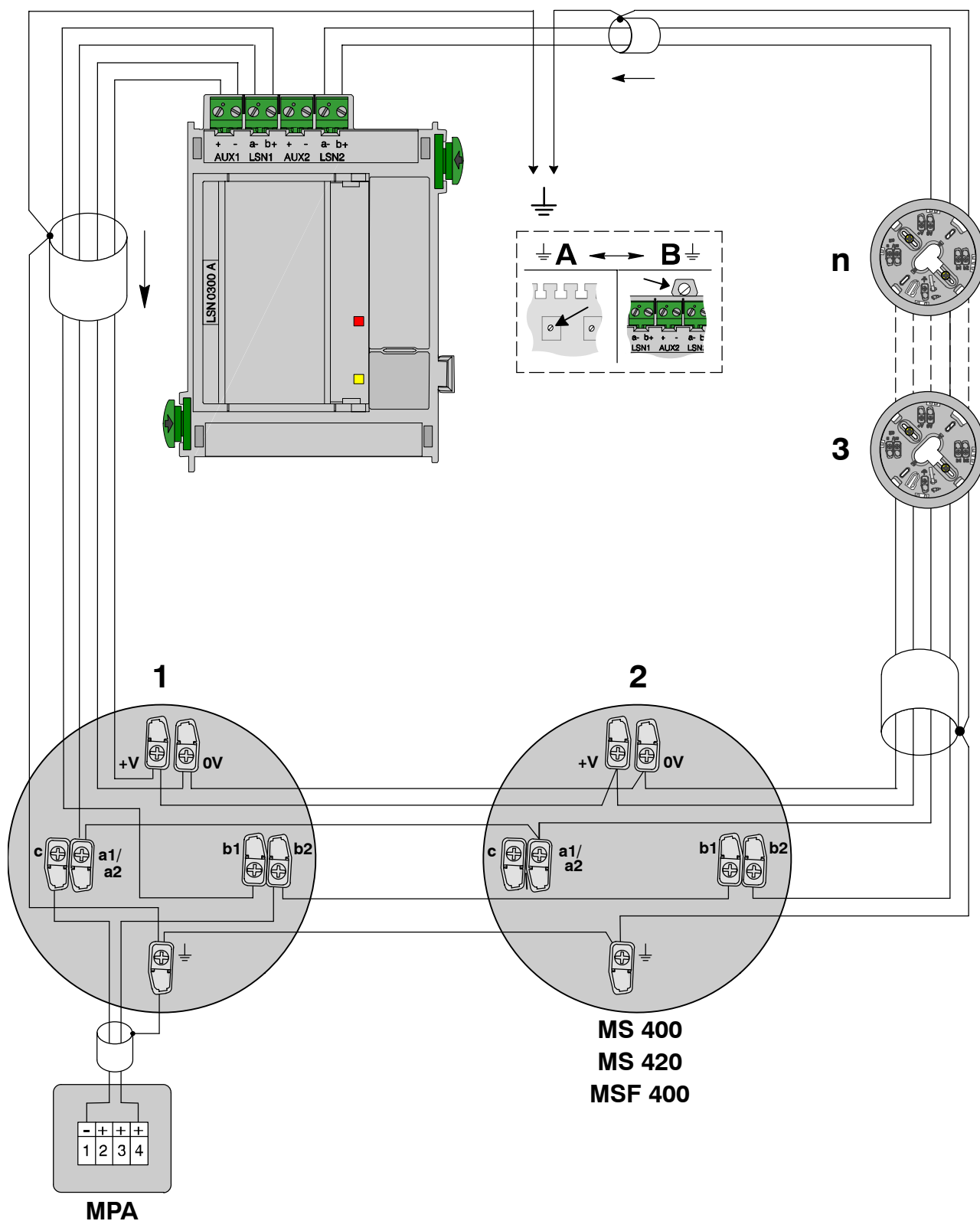
MS 200 LSN



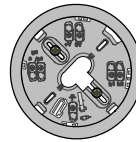
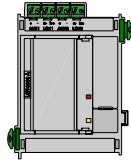


CZM 0004 A
MS 400
MS 420
MSF 400


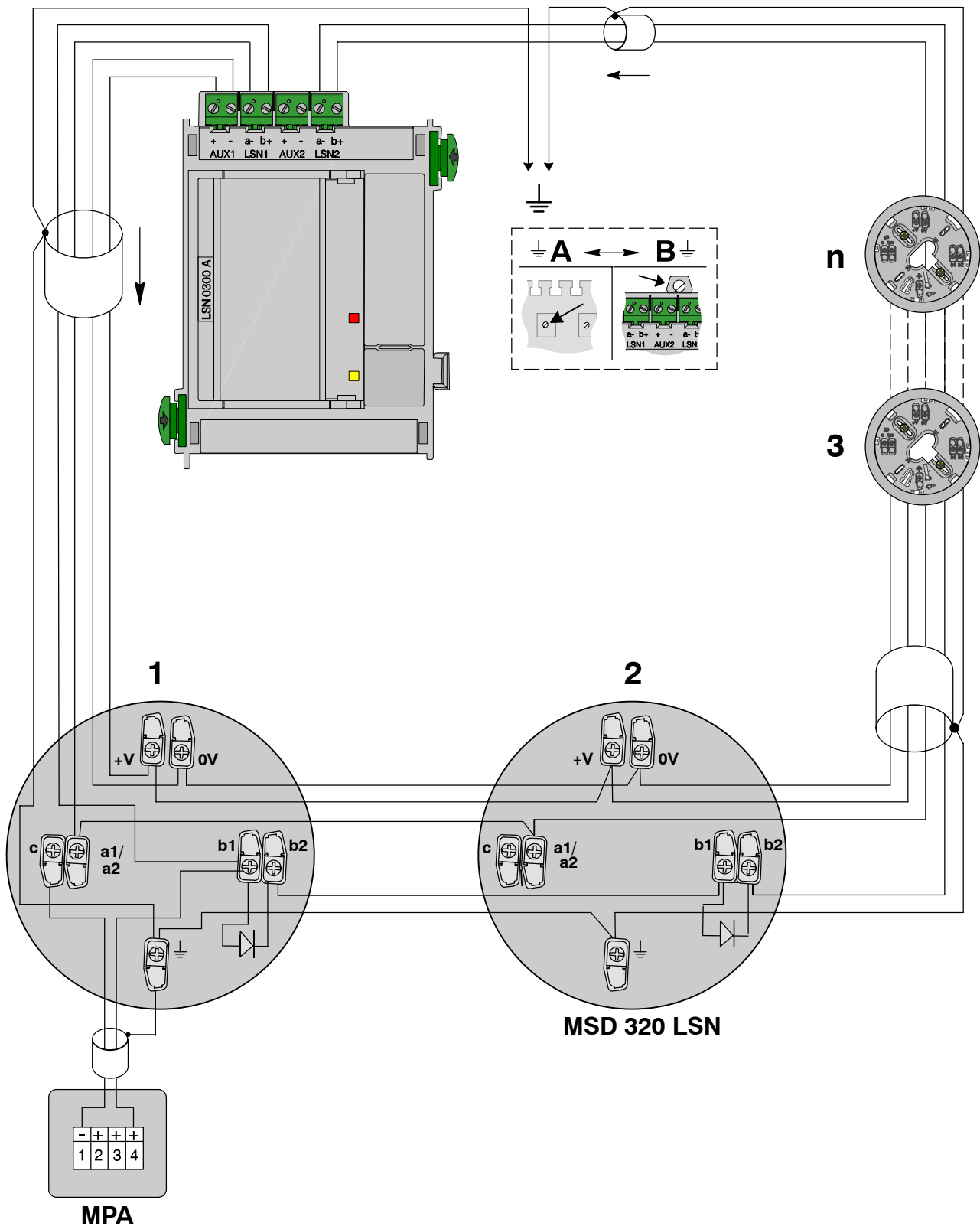
LSN 0300 A

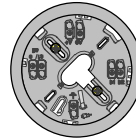
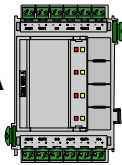
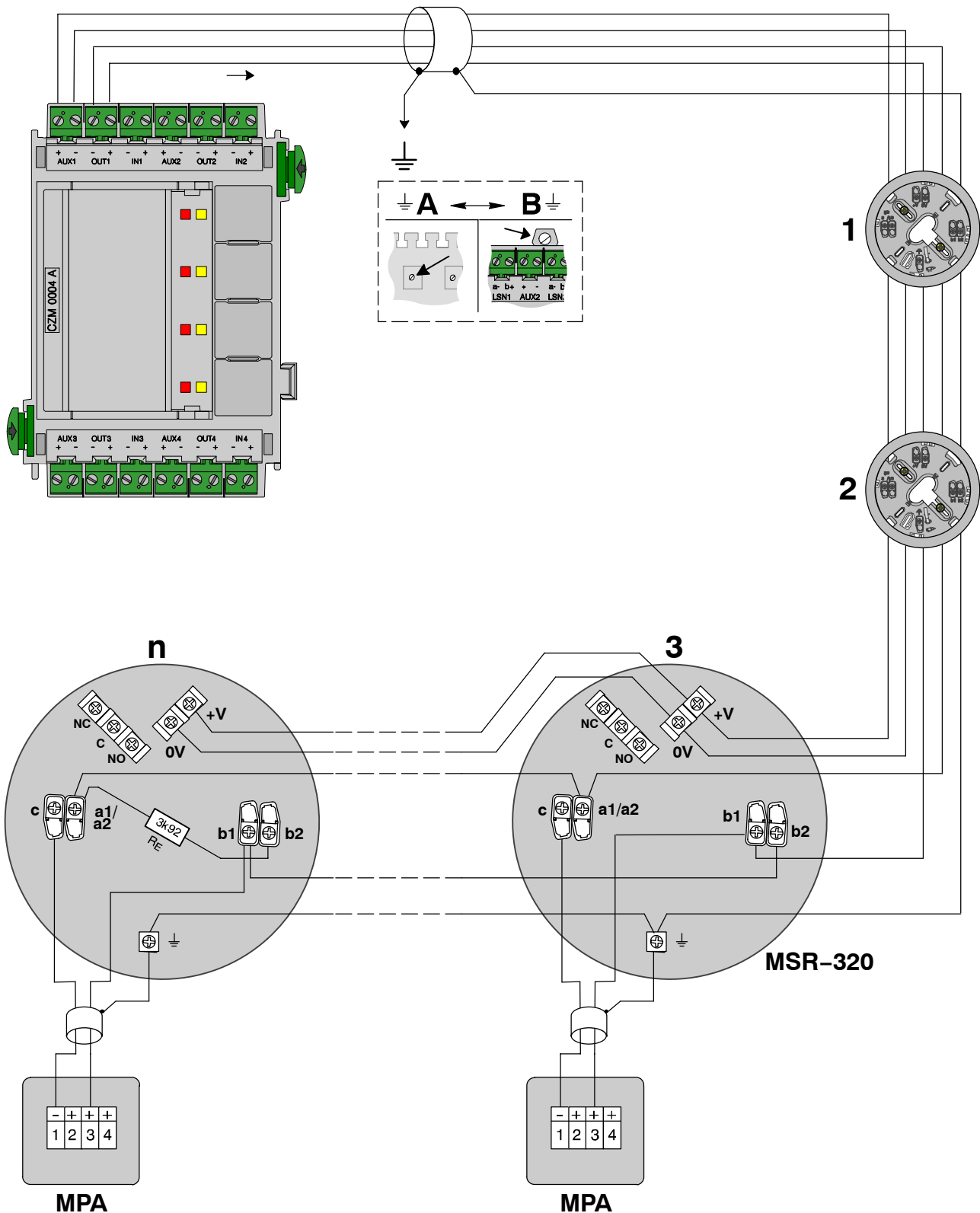
MS 400
MSF 400**BOSCH**

LSN 0300 A

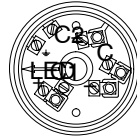
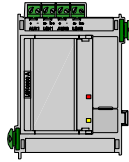


MSD 320 LSN

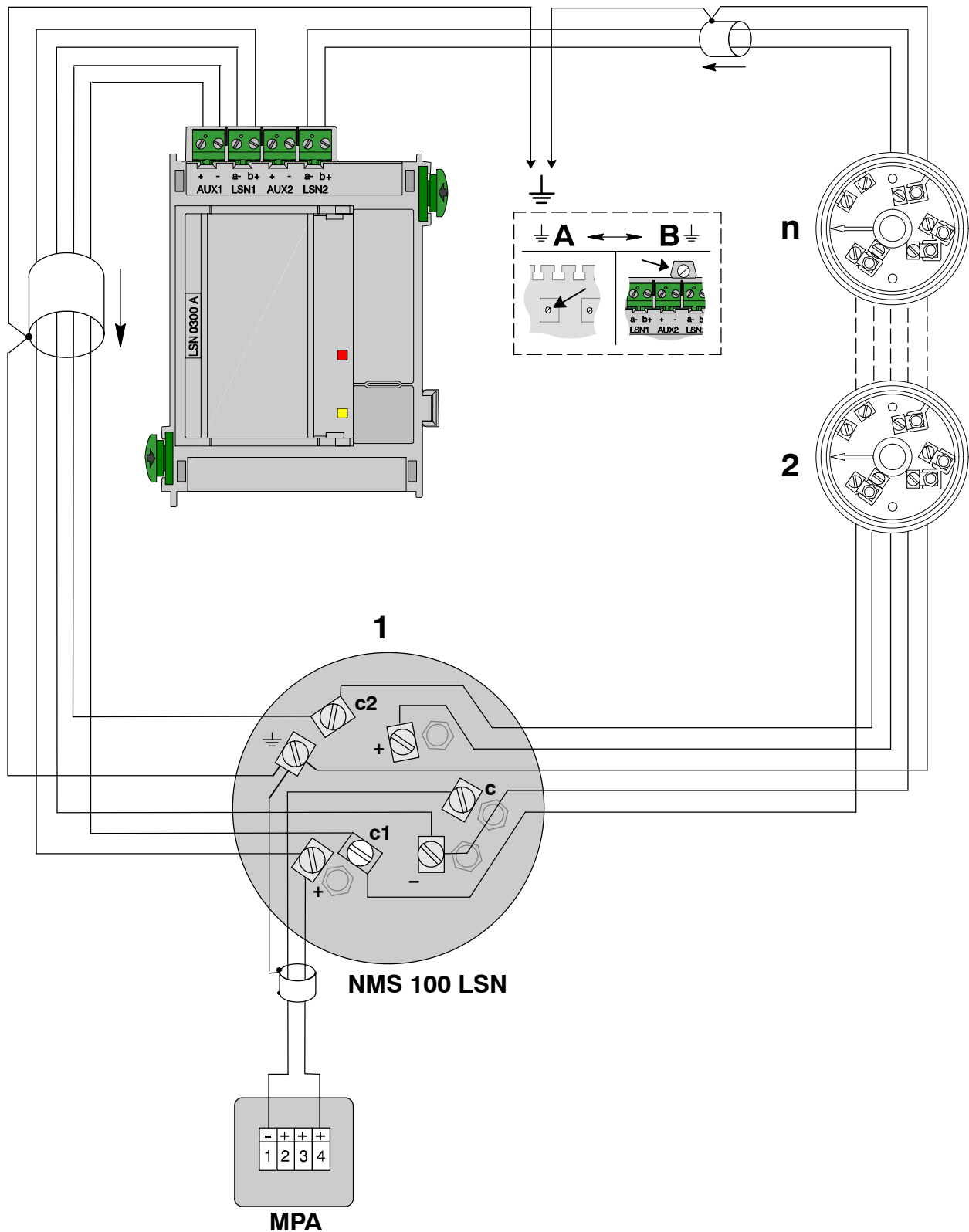
**BOSCH**

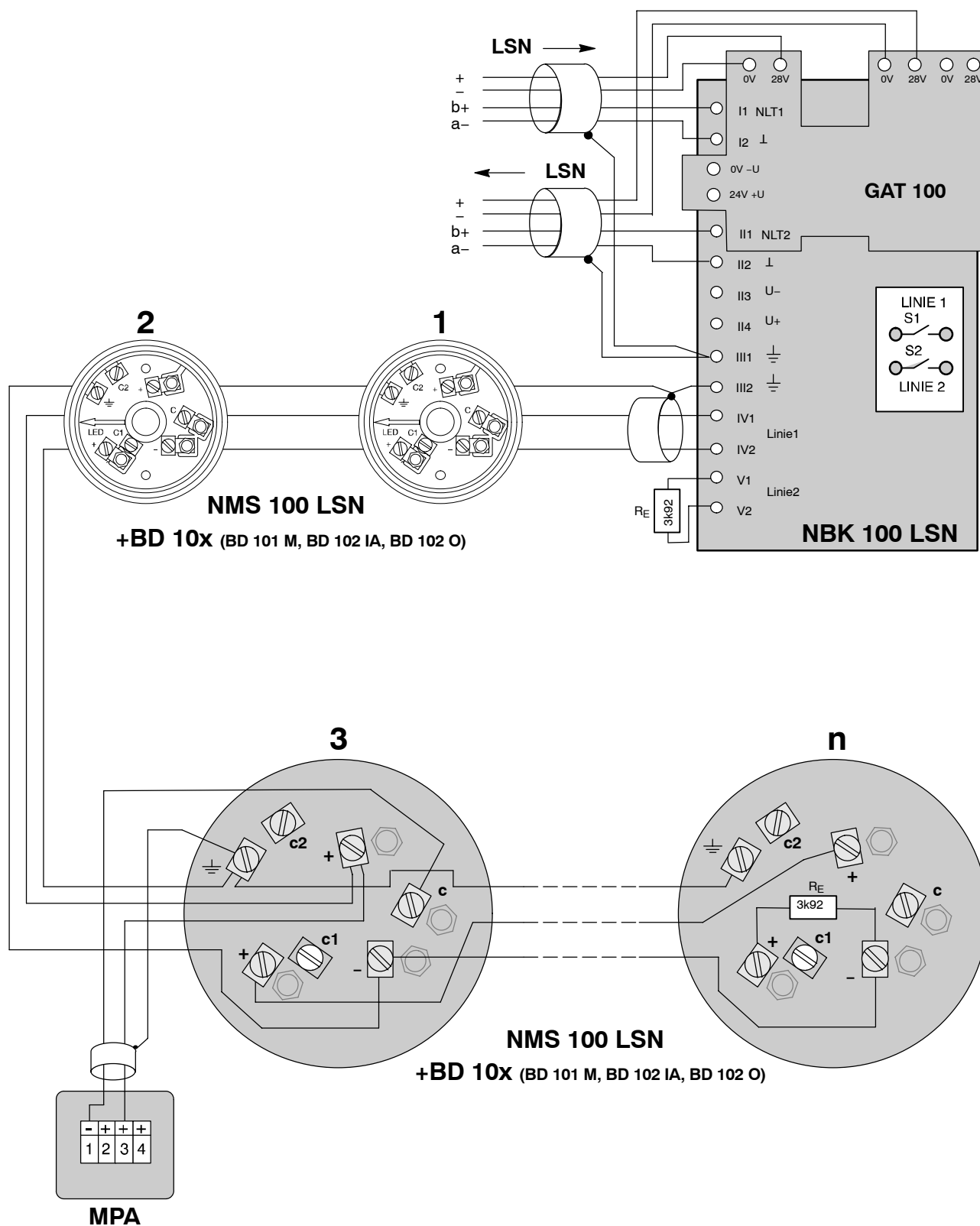
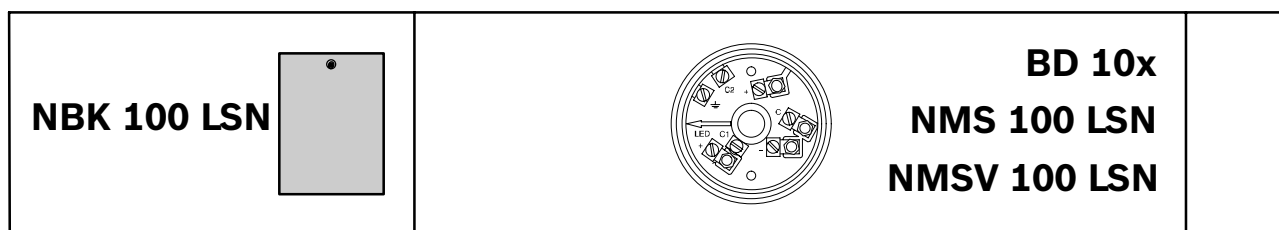
CZM 0004 A**MSR 320****BOSCH**

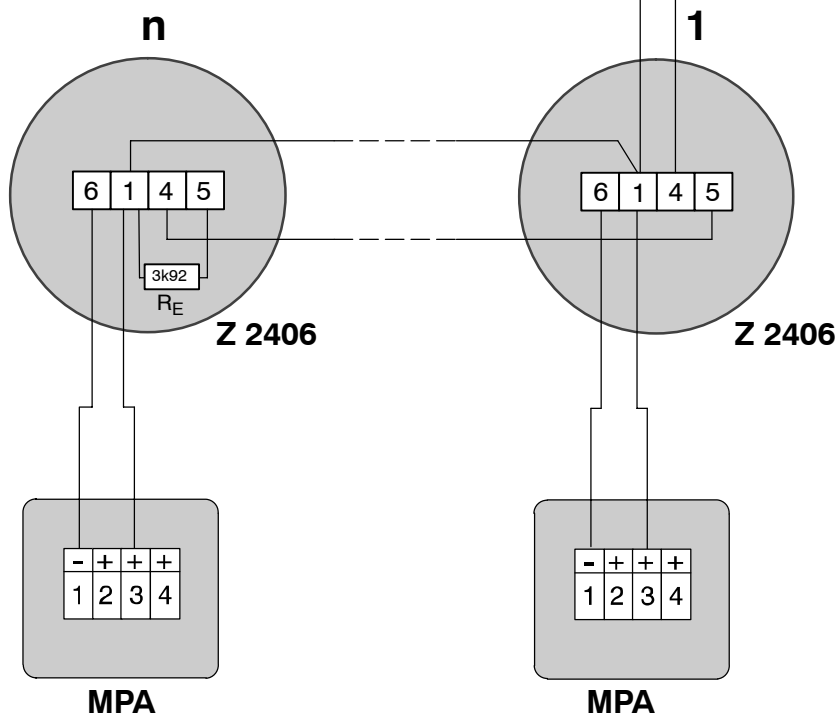
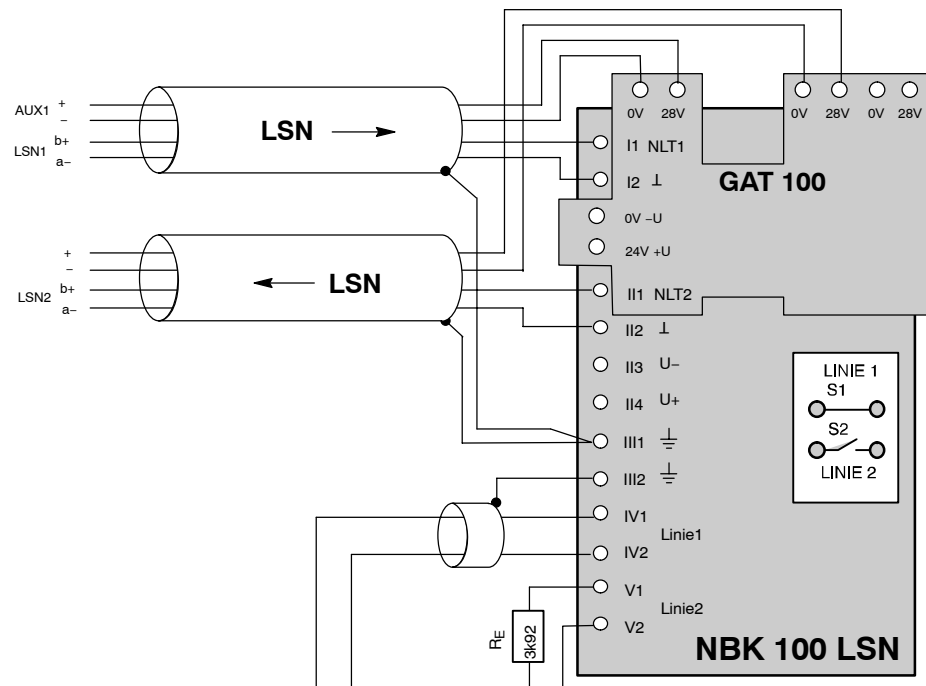
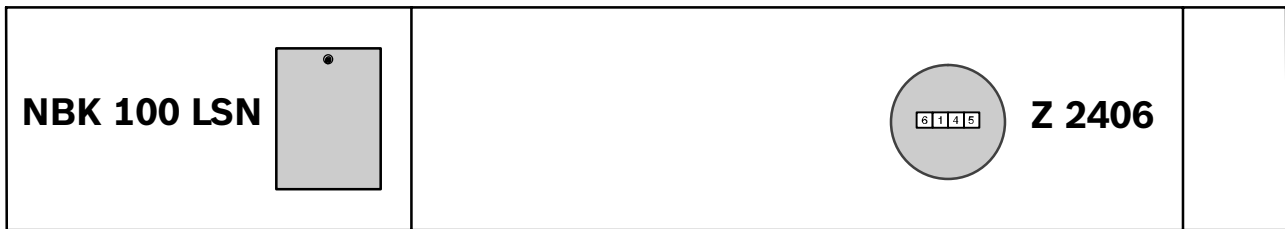
LSN 0300 A

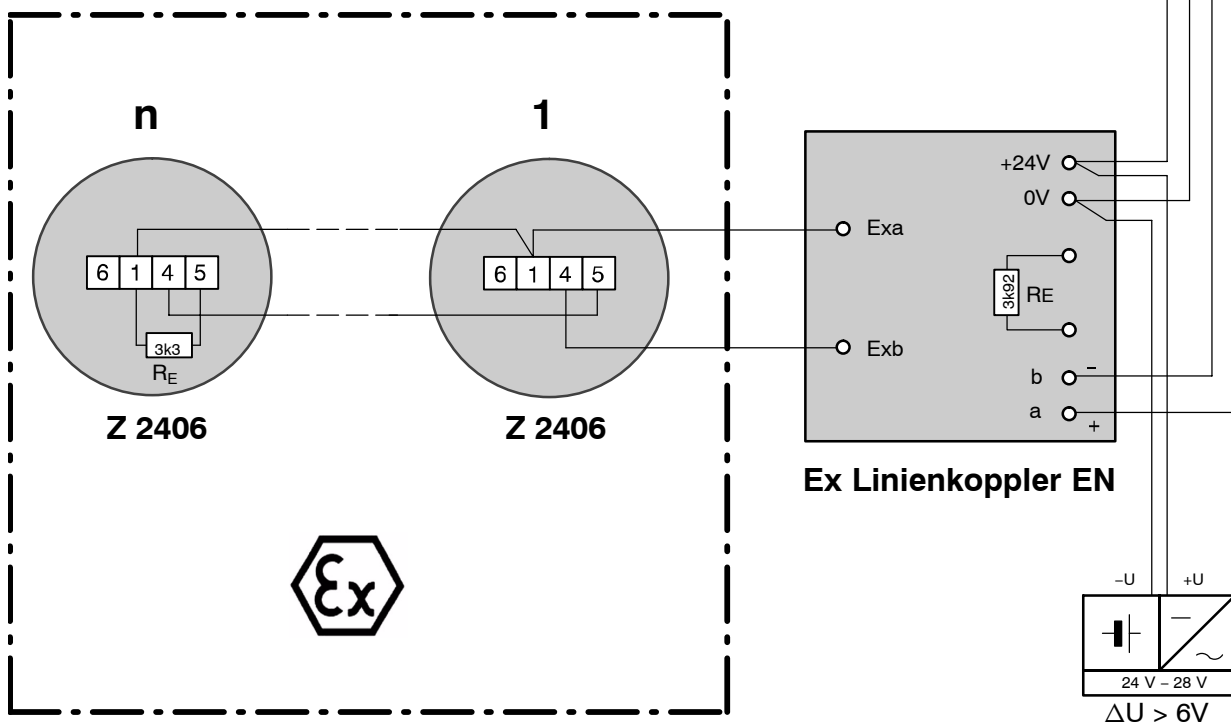
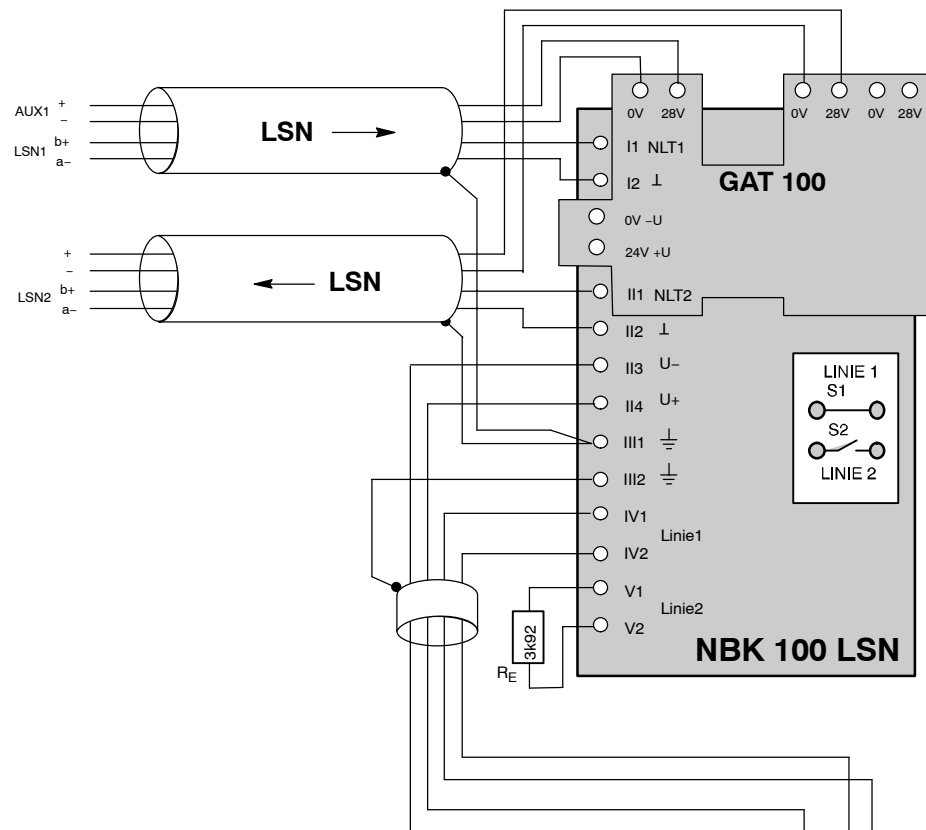
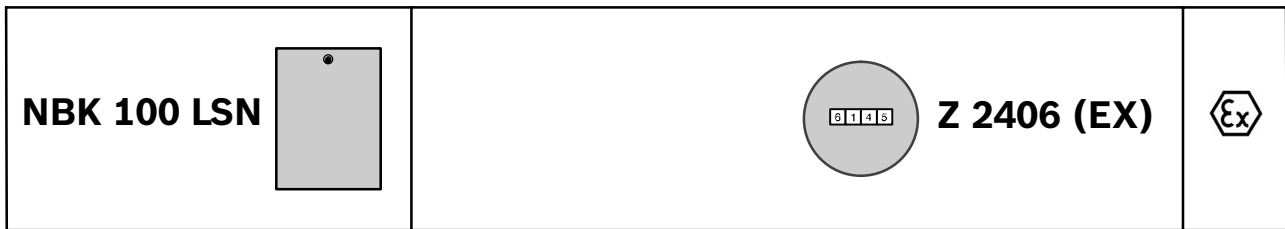


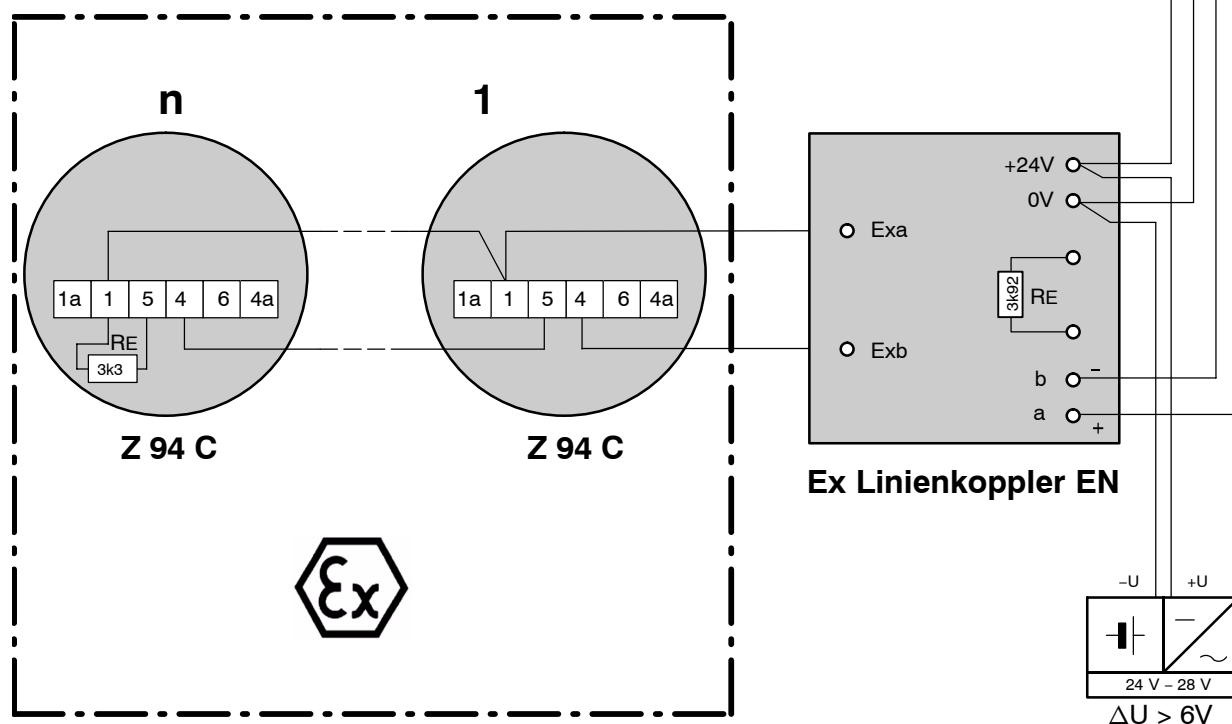
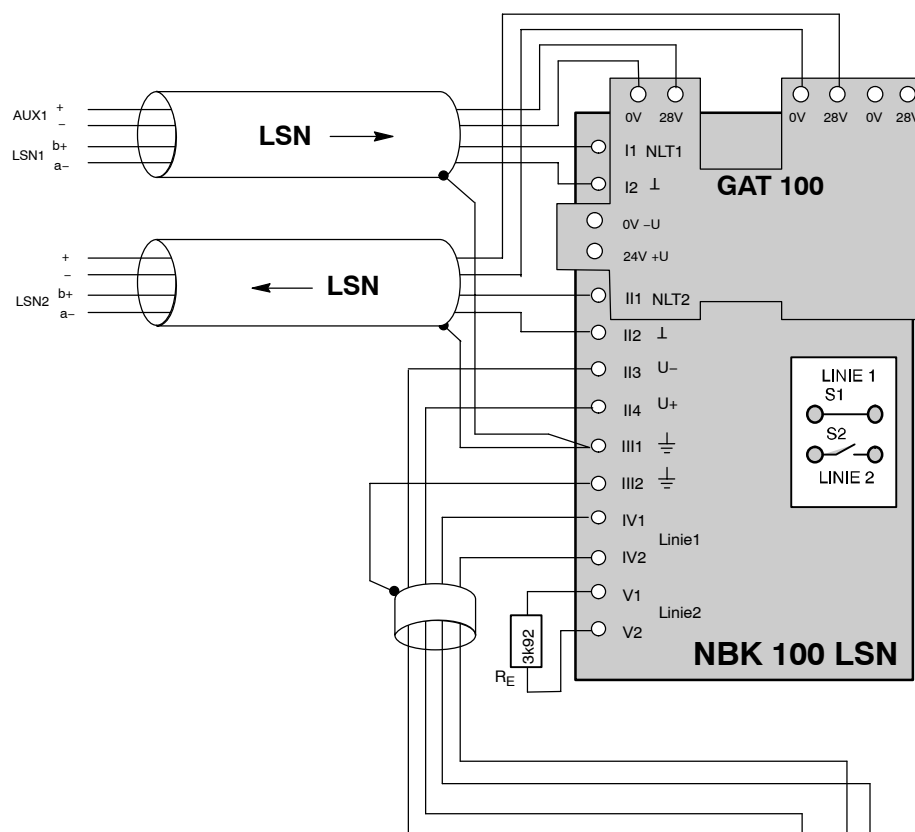
NMS 100 LSN

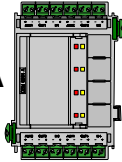
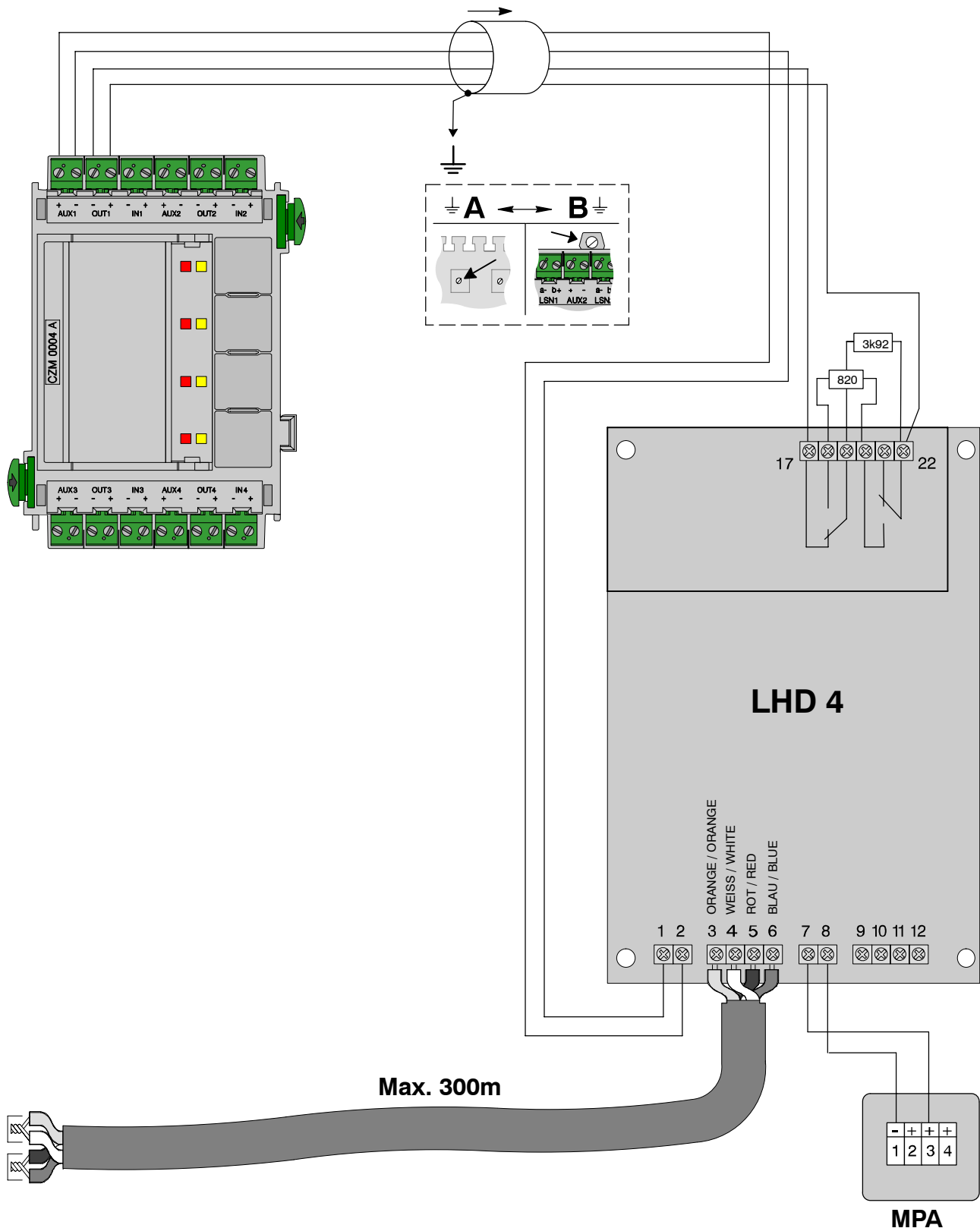


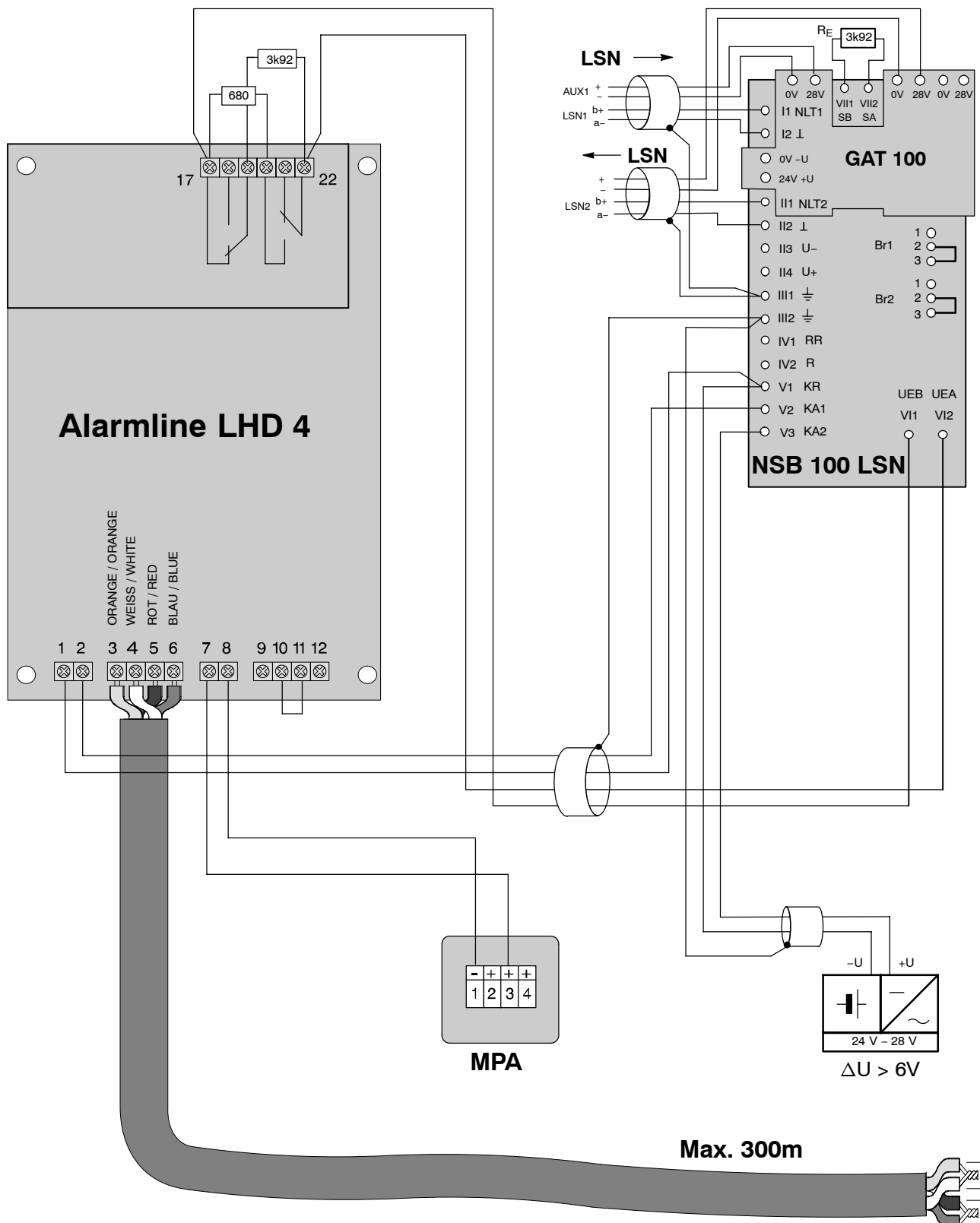
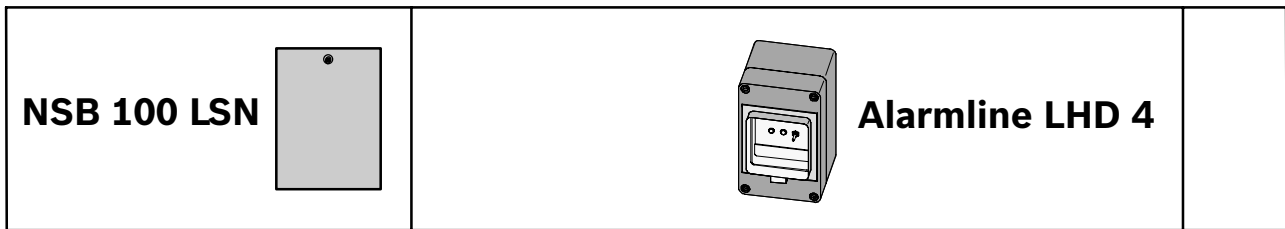


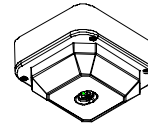
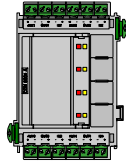
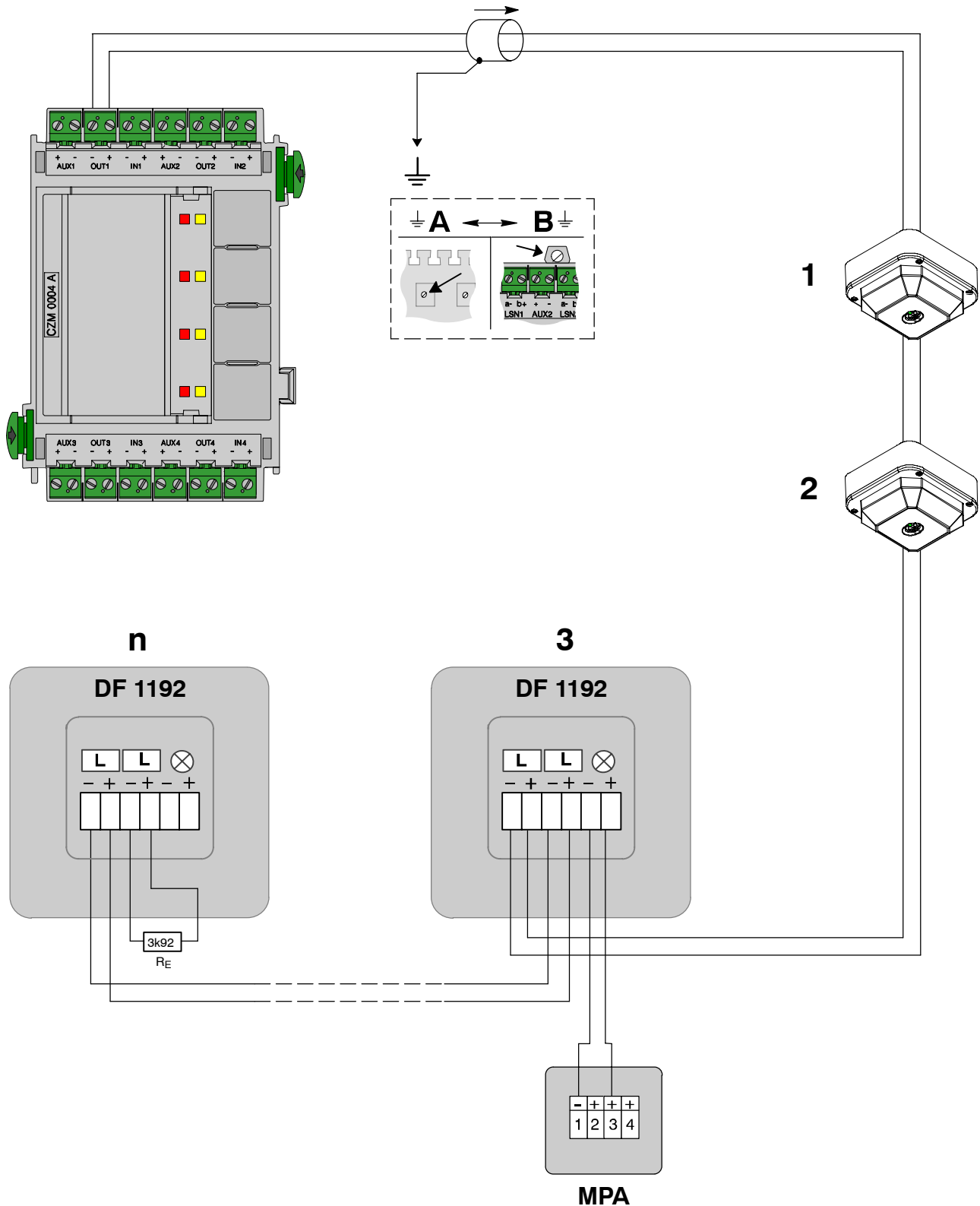




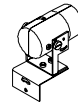
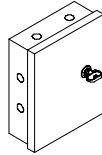
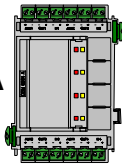
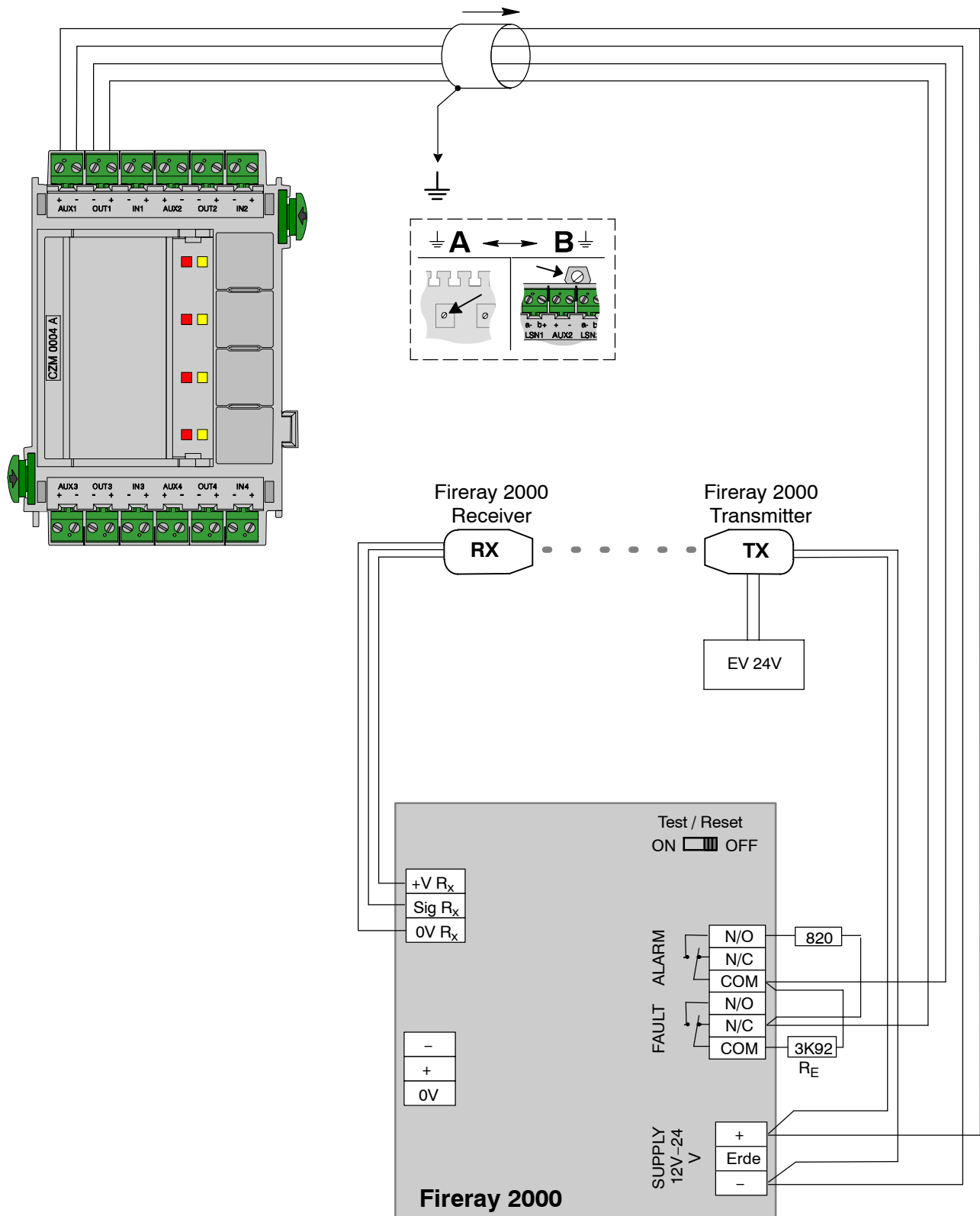


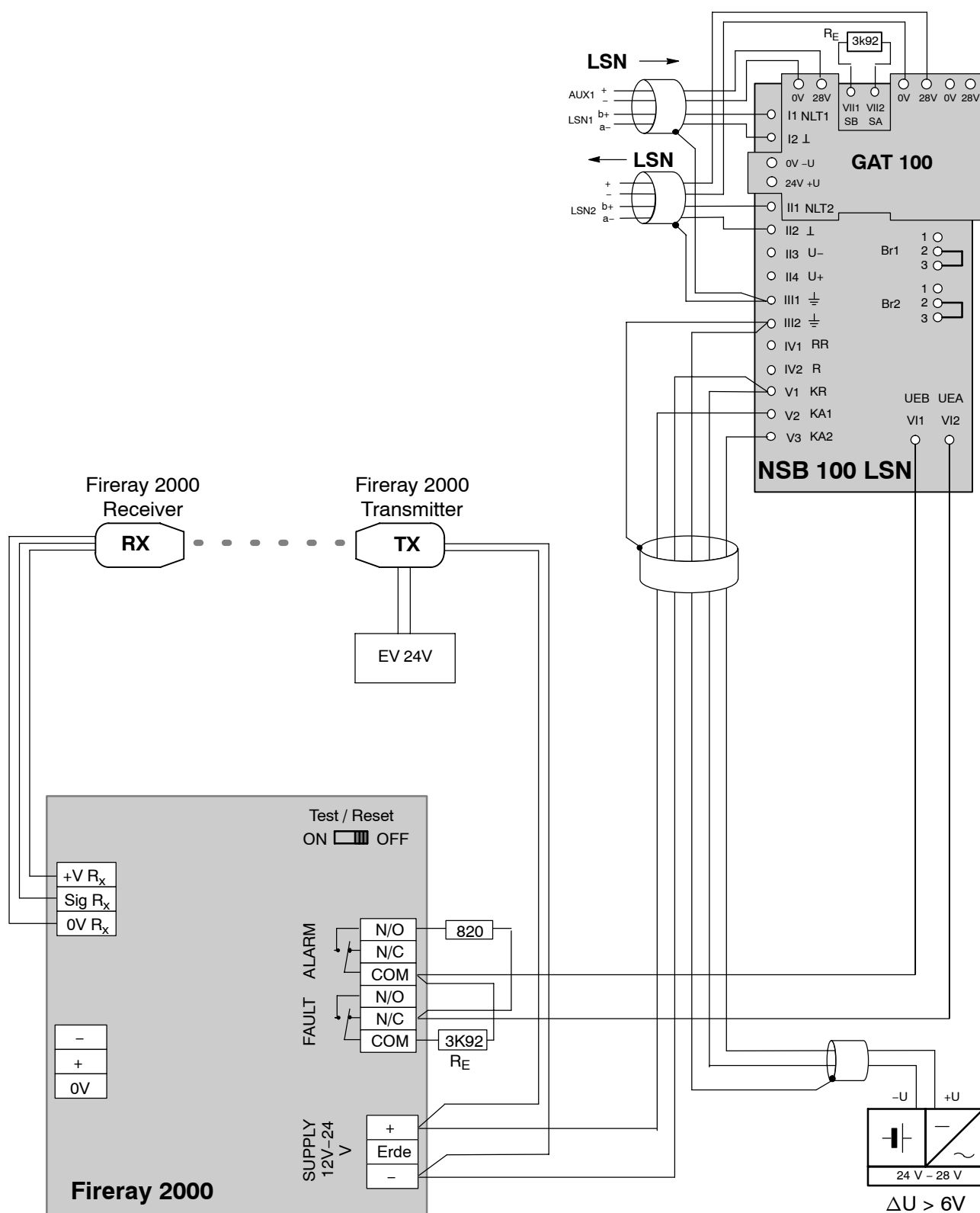
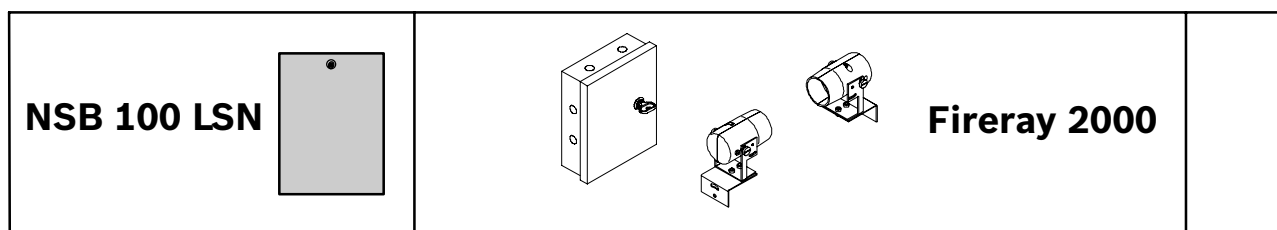
CZM 0004 A**Alarmline LHD 4**

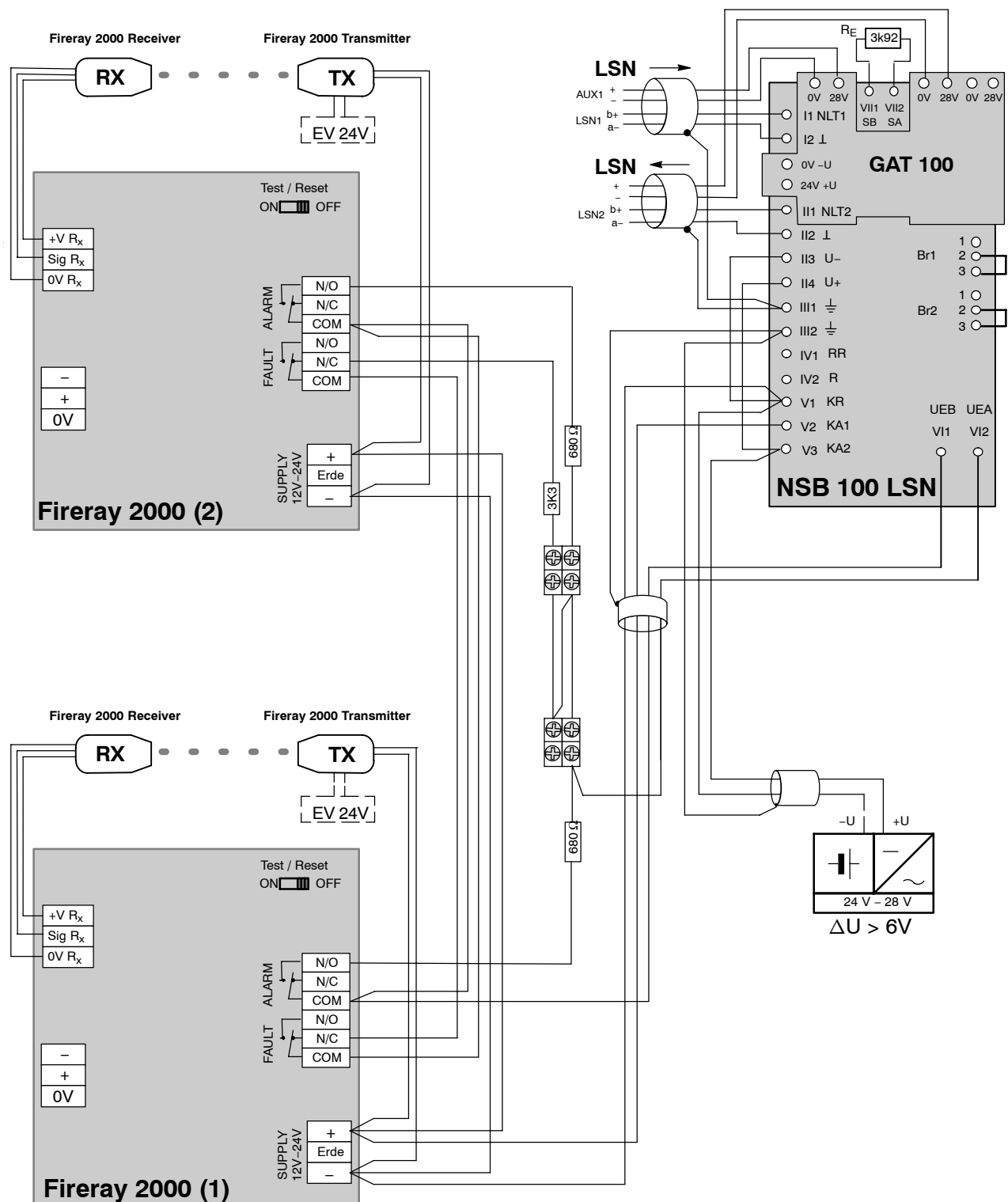
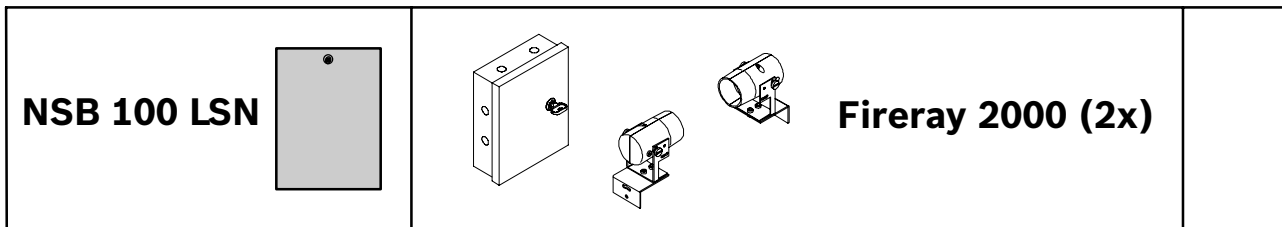


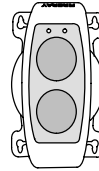
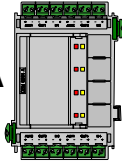
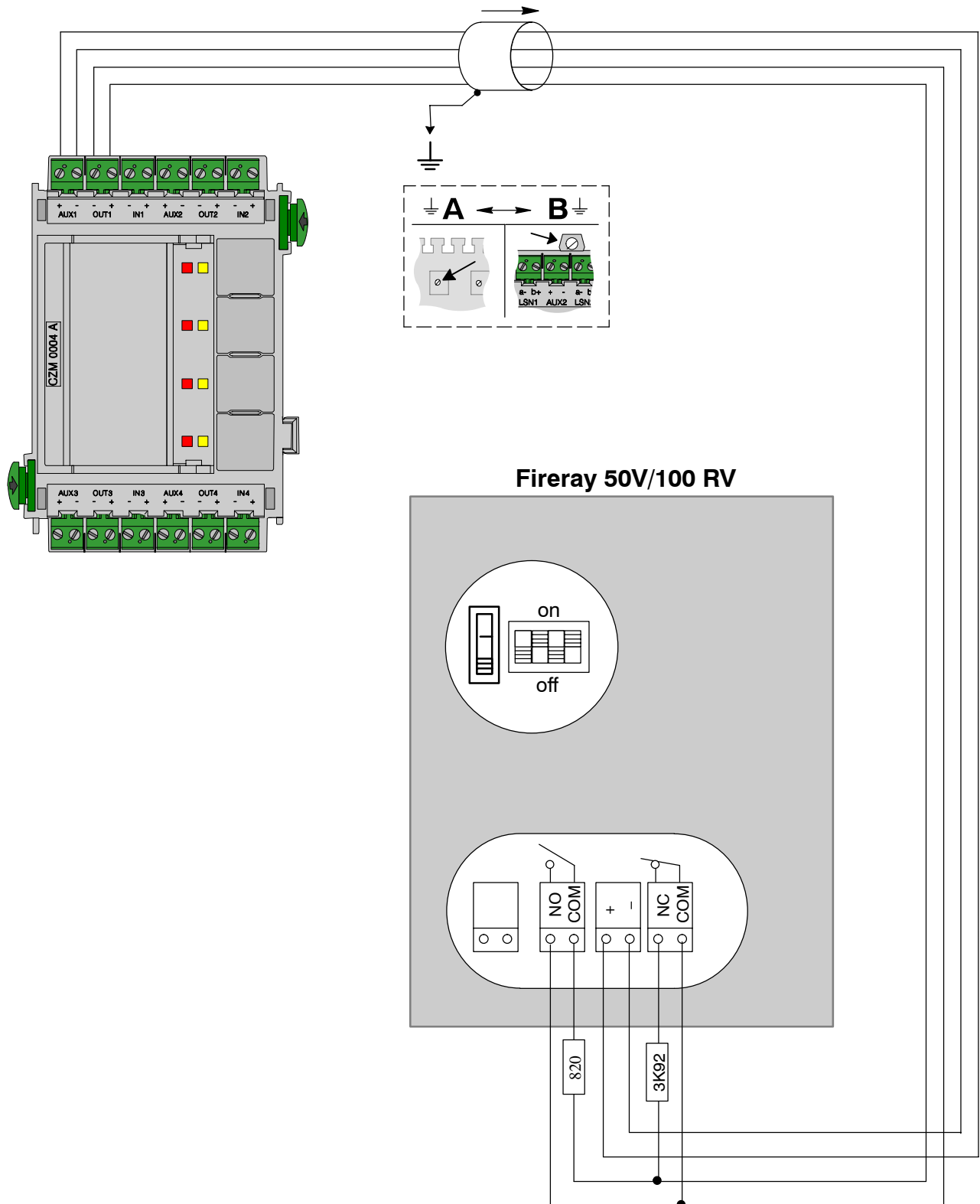
CZM 0004 A**DF 1192****BOSCH**

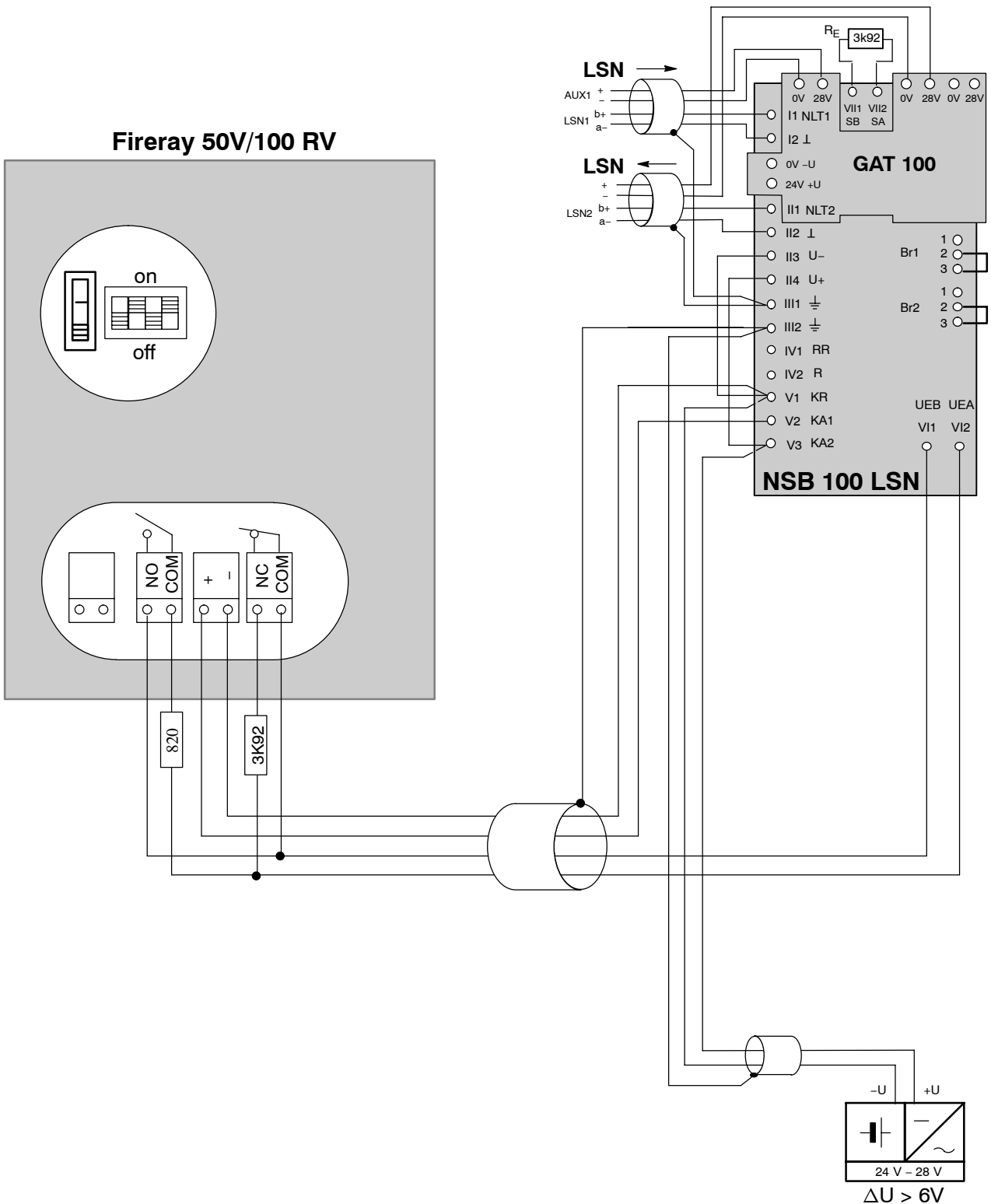


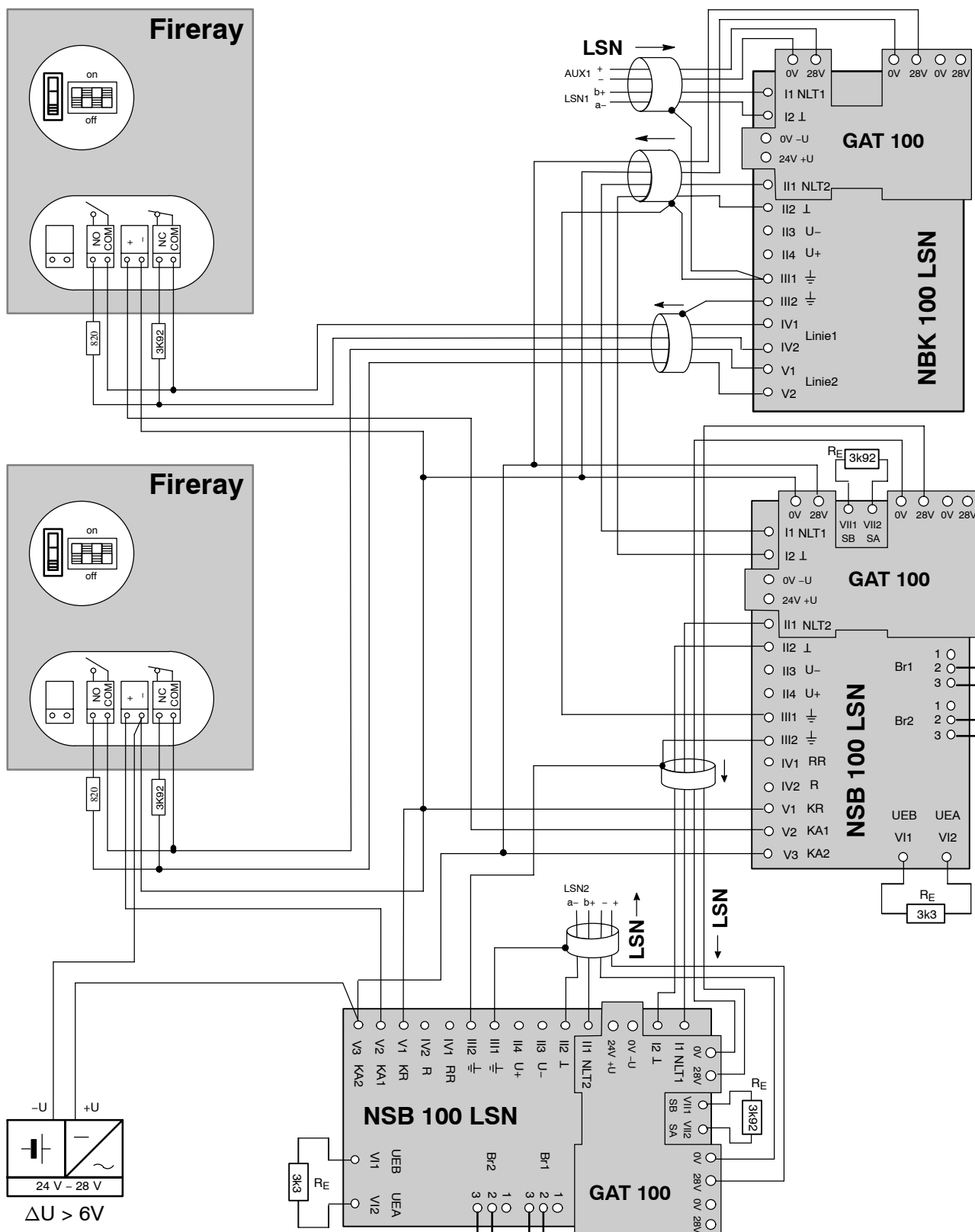
CZM 0004 A**Fireray 2000**

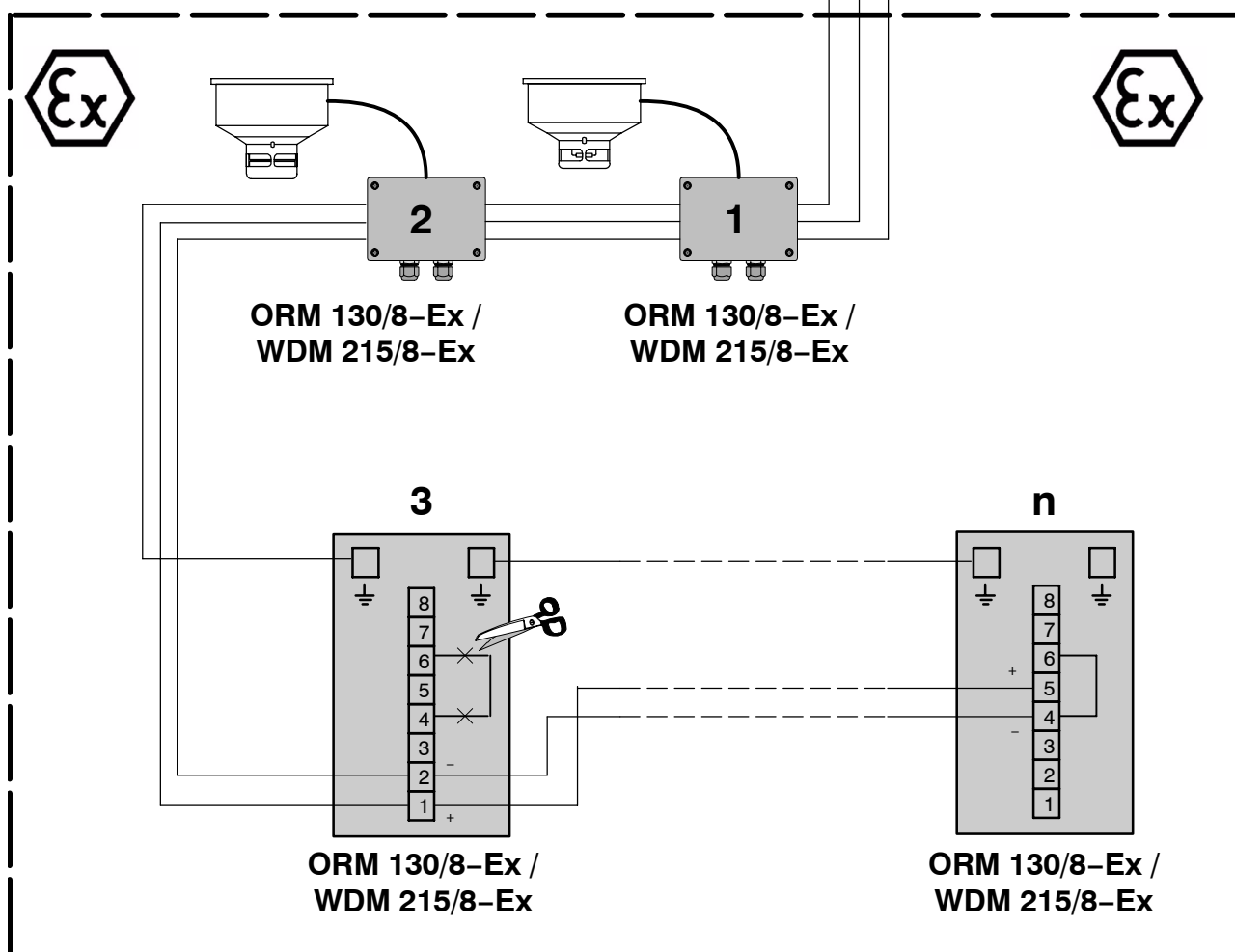
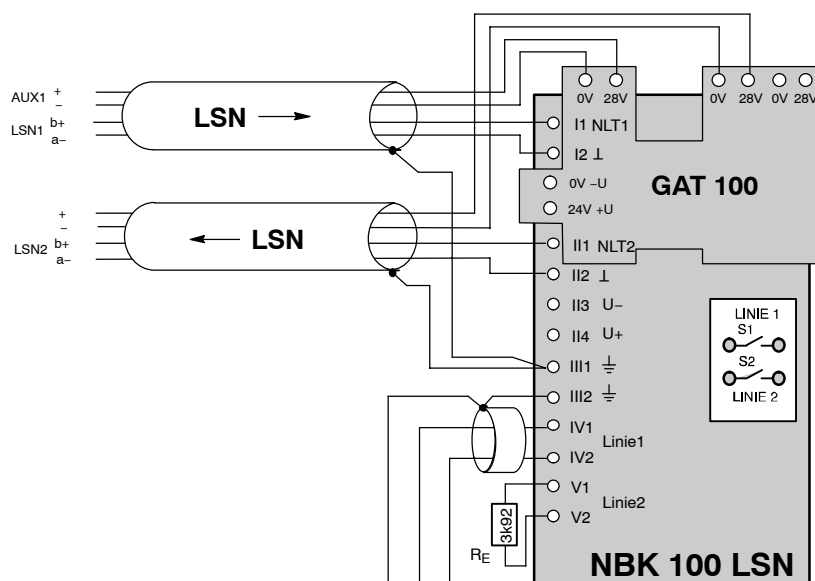
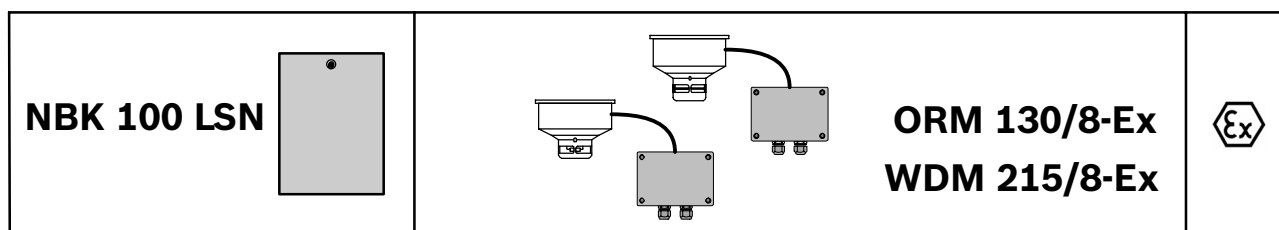


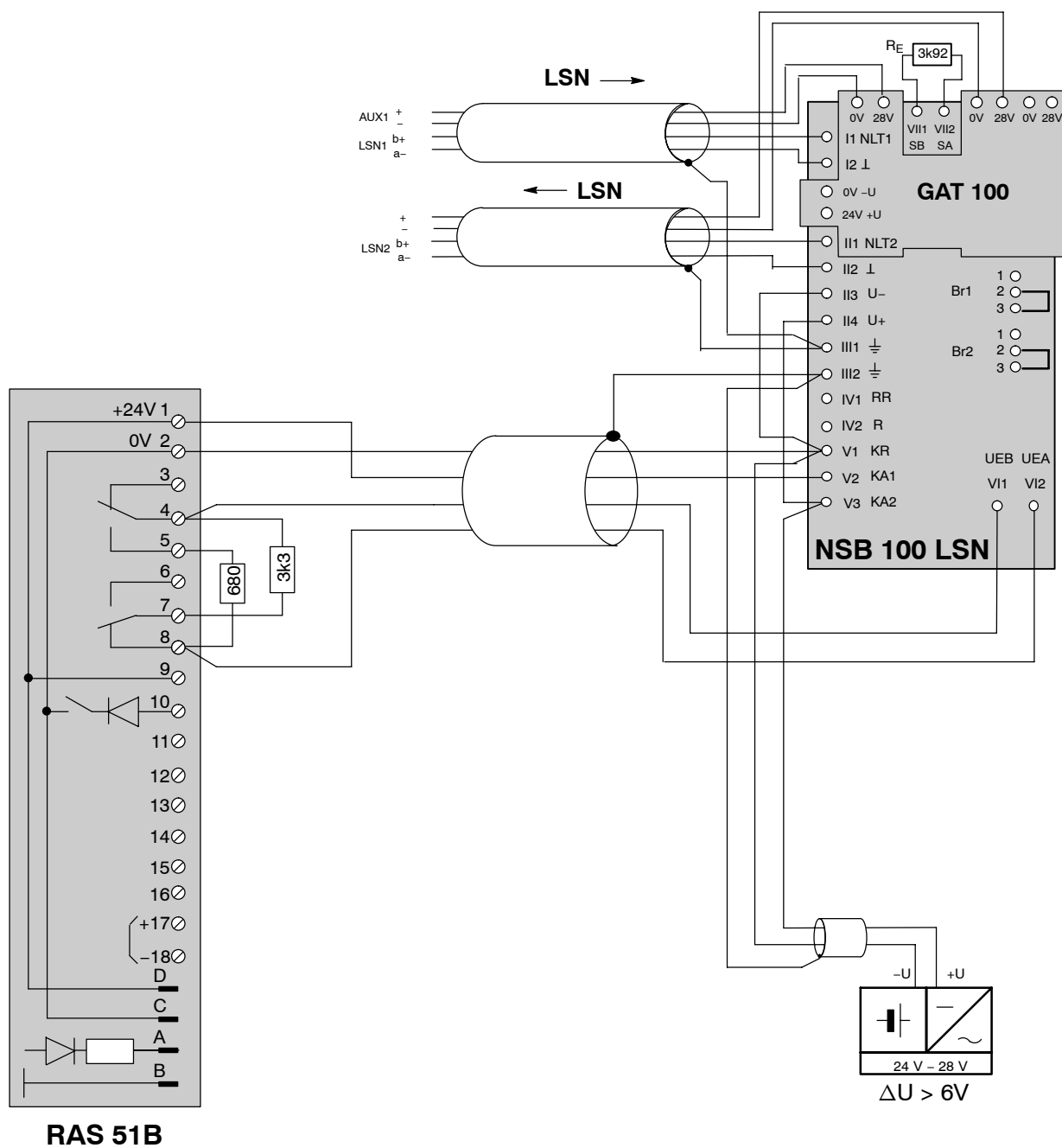


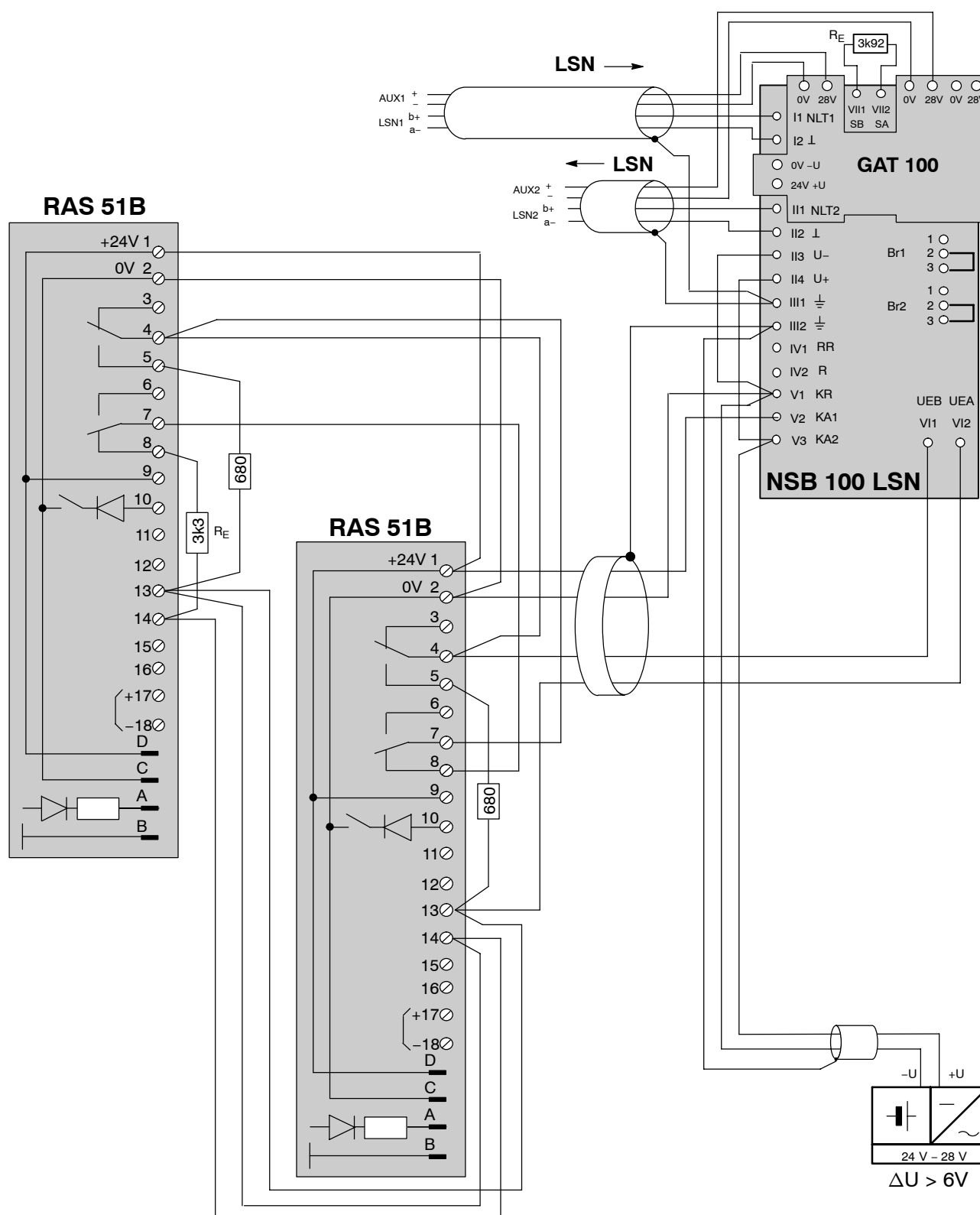
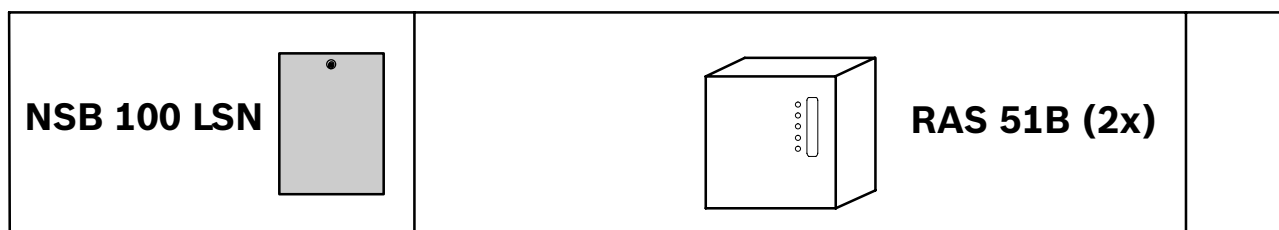
CZM 0004 A**Fireray 50RV
Fireray 100RV**

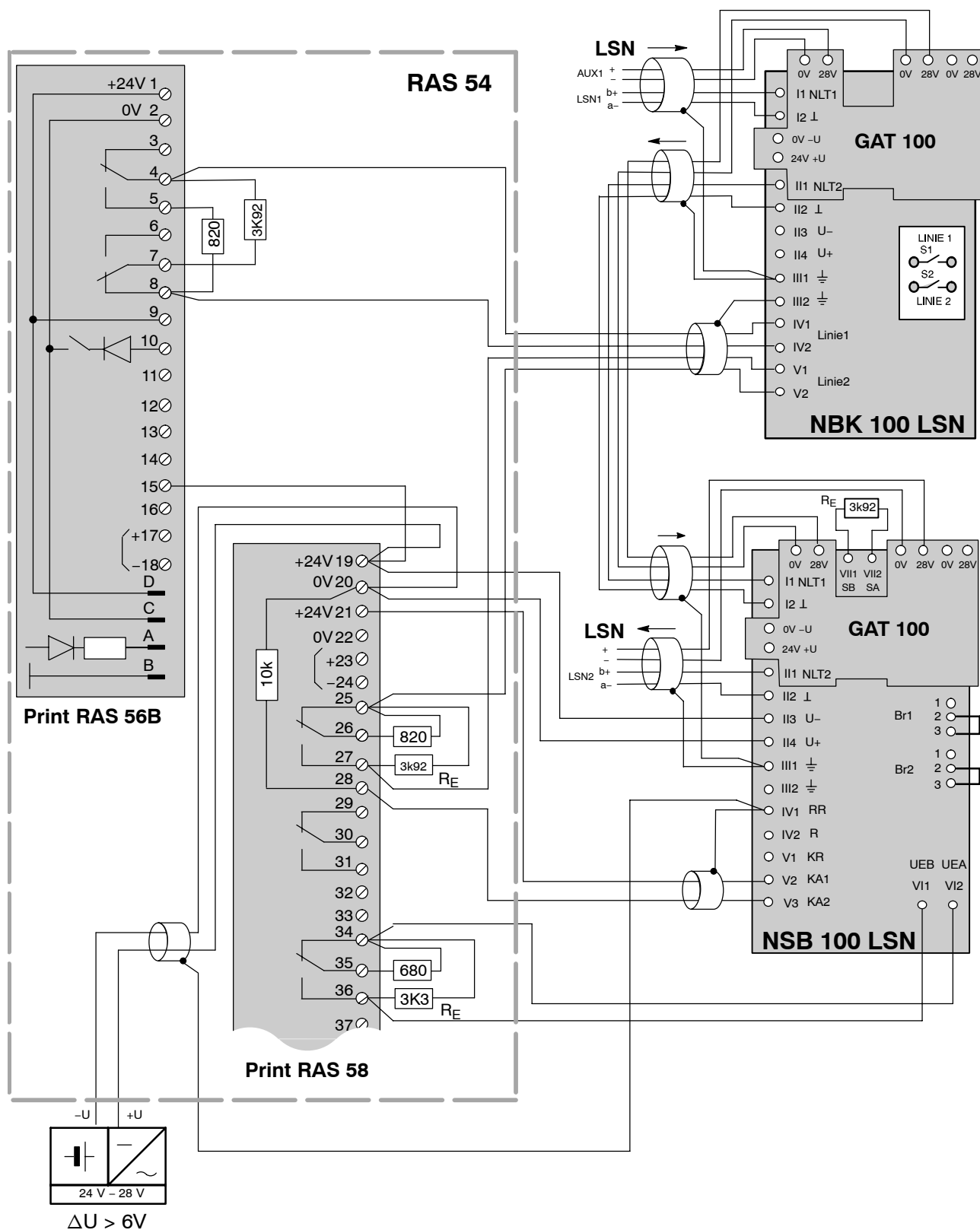




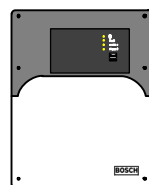
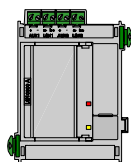




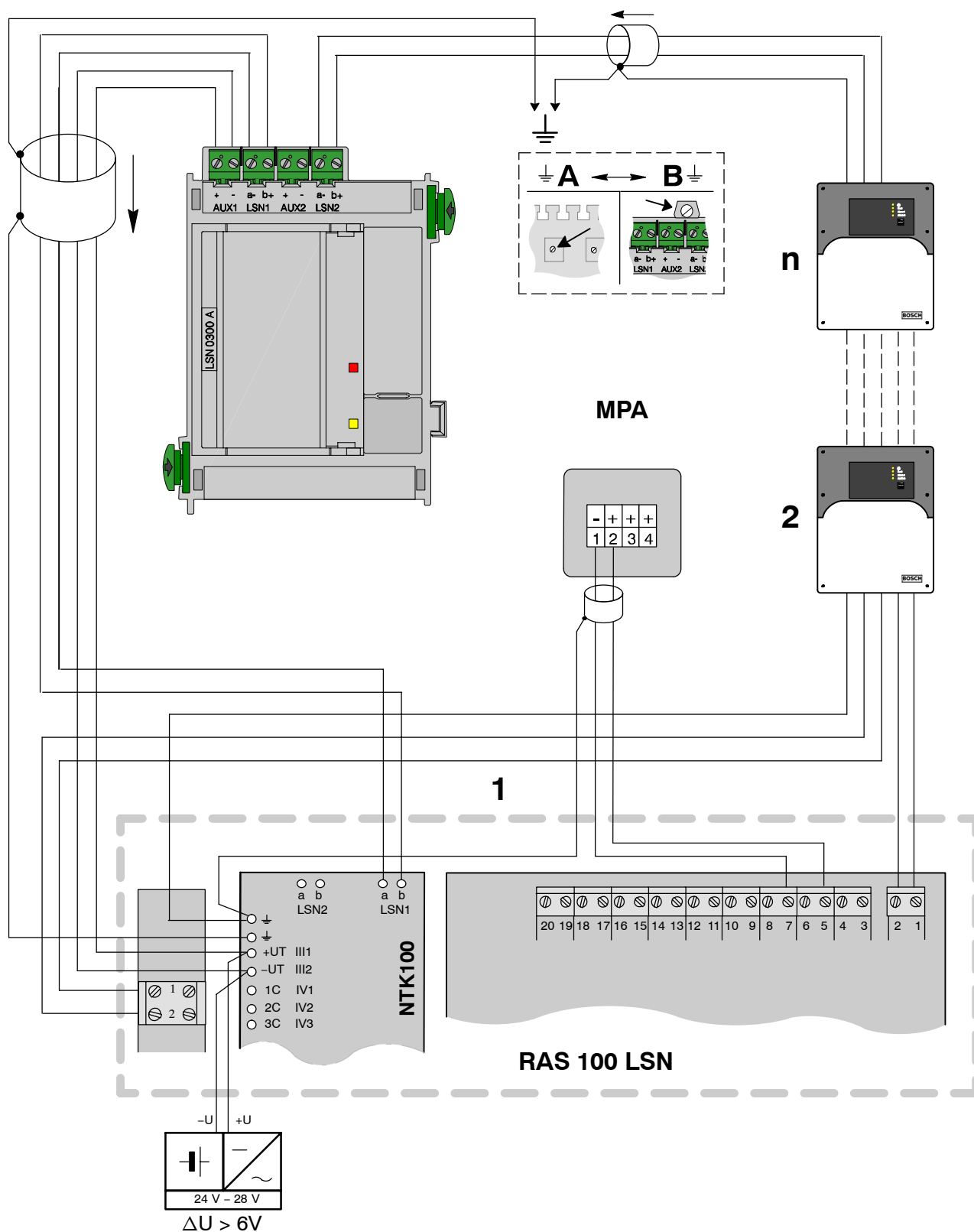




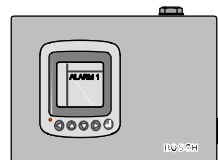
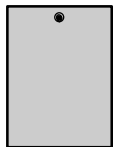
LSN 0300 A



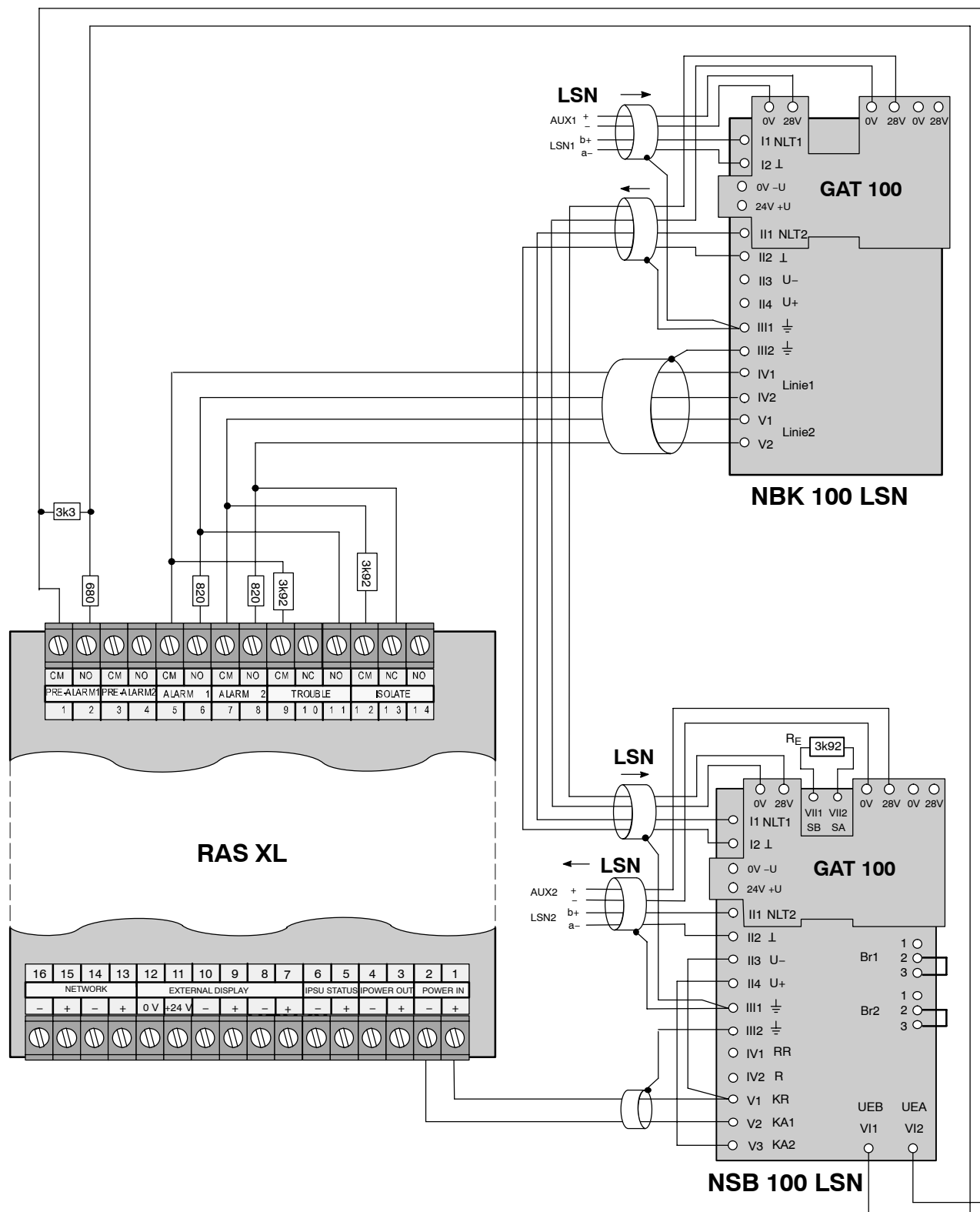
RAS 100 LSN-1
RAS 100 LSN-2



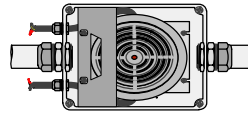
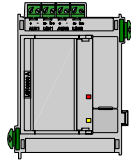
NBK 100 LSN
NSB 100 LSN



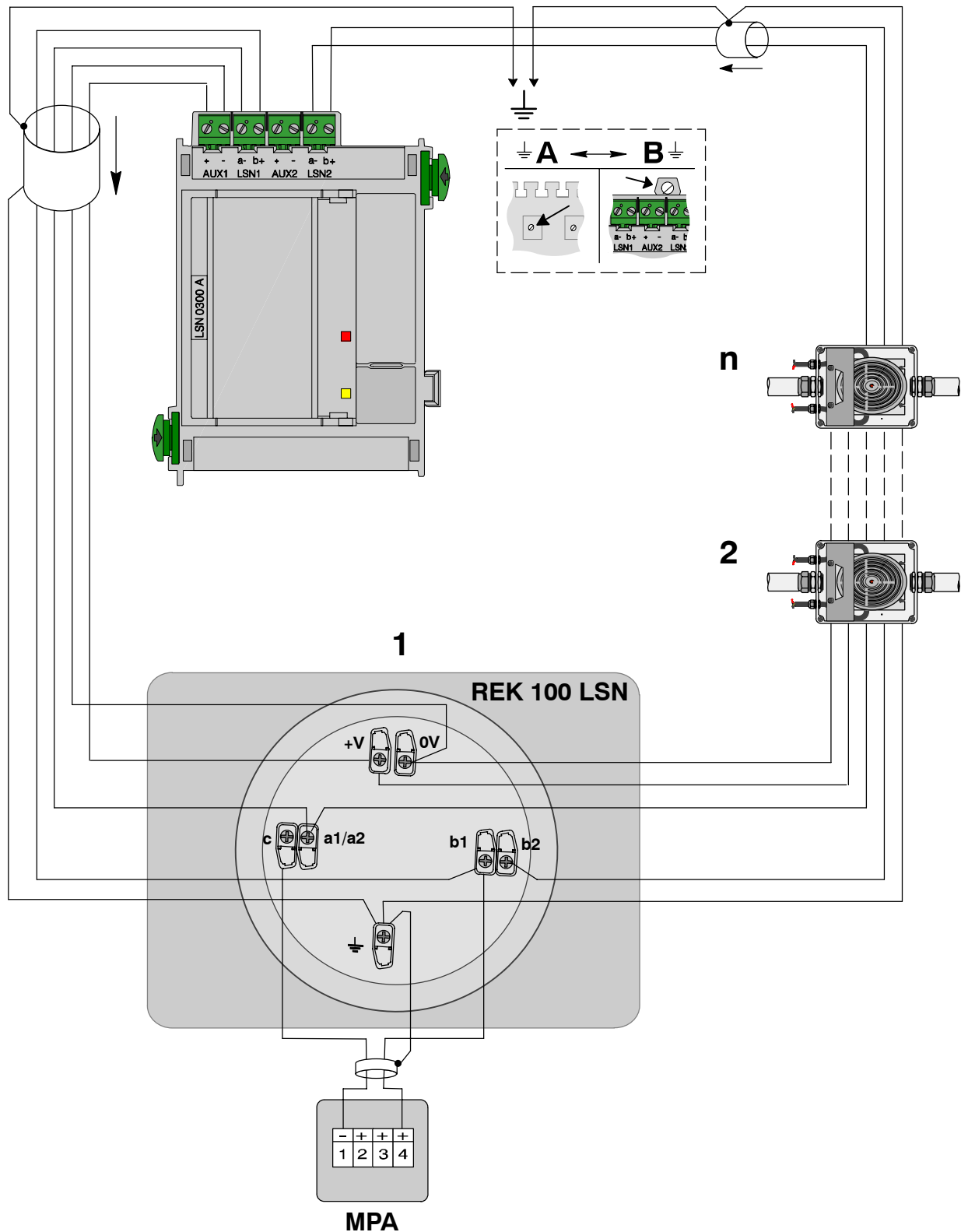
RAS-XL

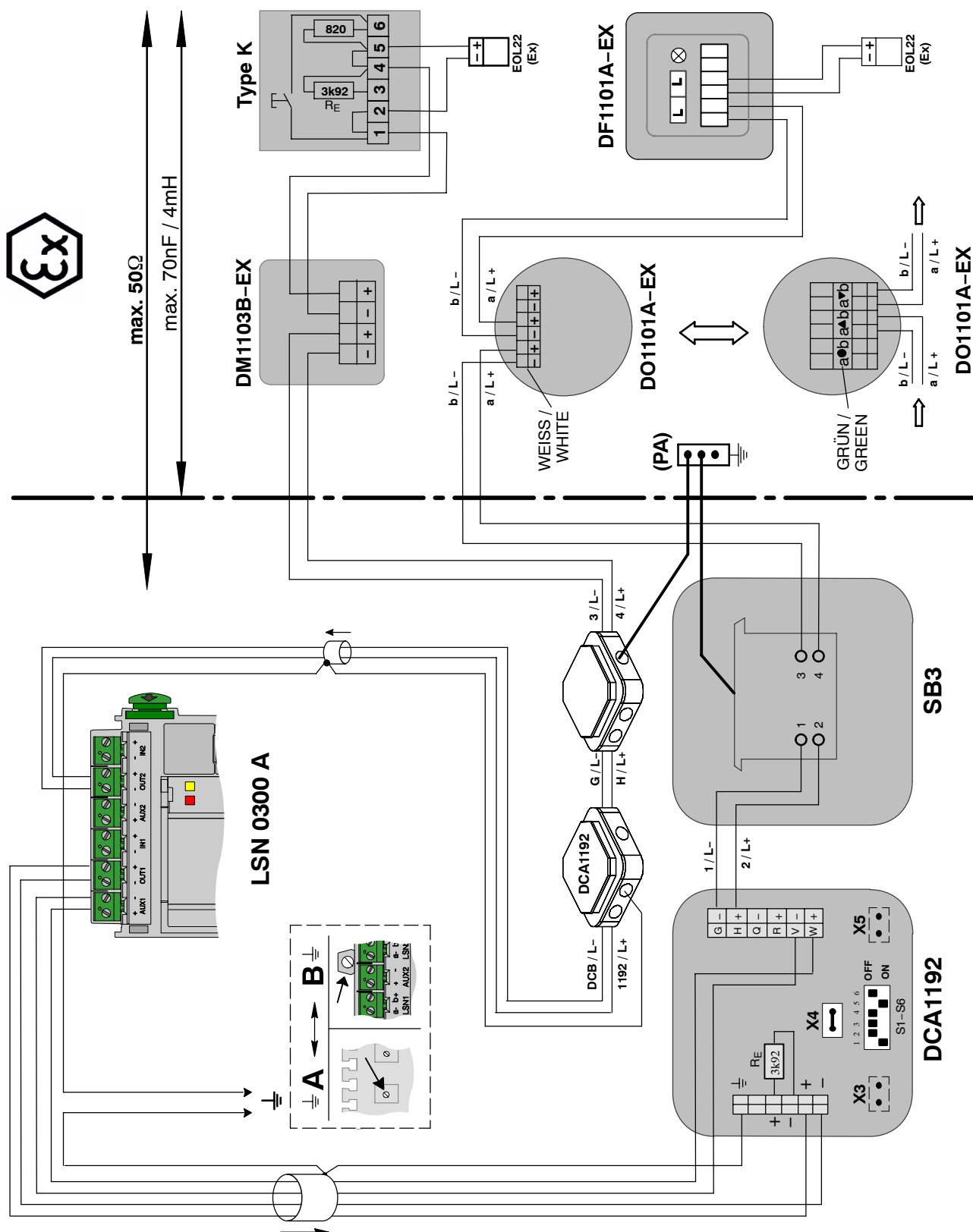
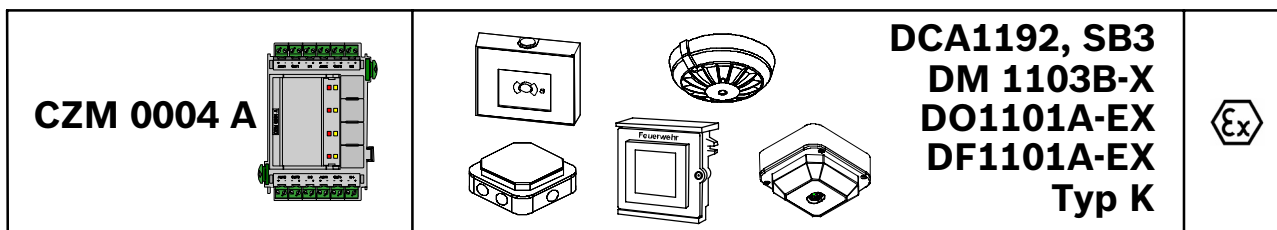


LSN 0300 A

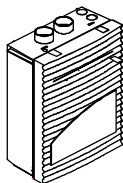
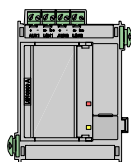


REK 100 LSN

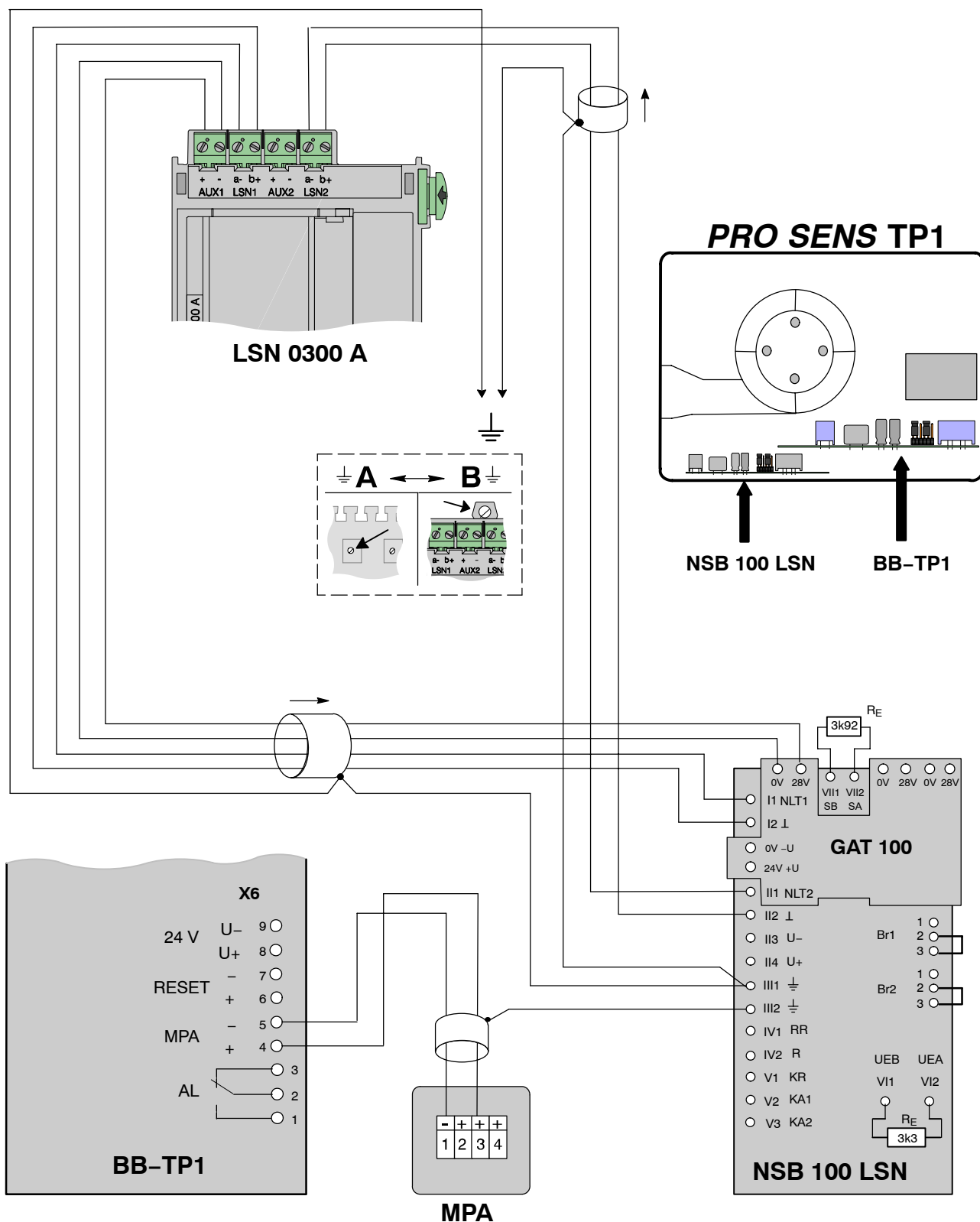




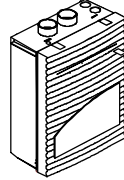
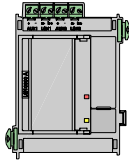
LSN 0300 A



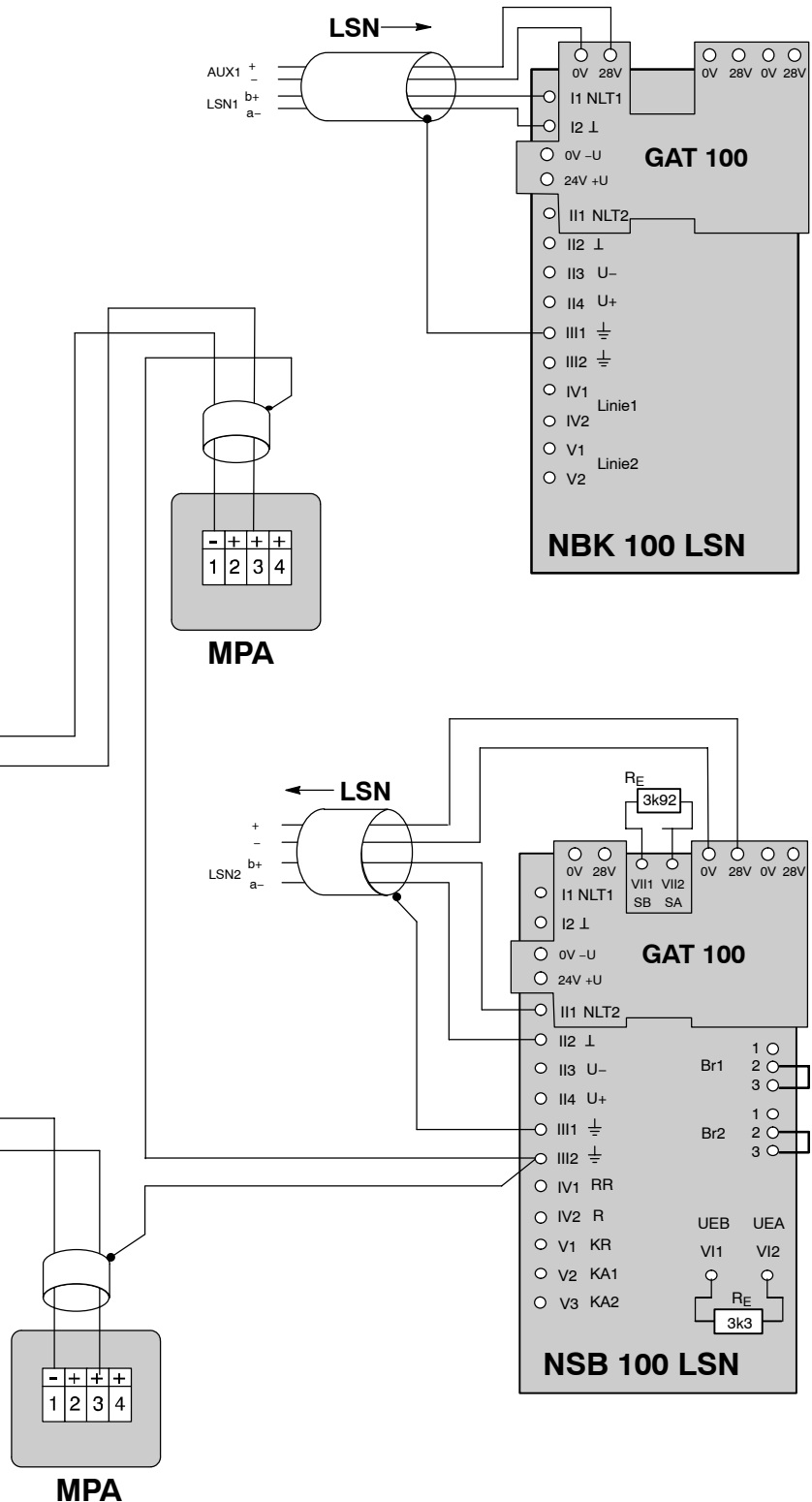
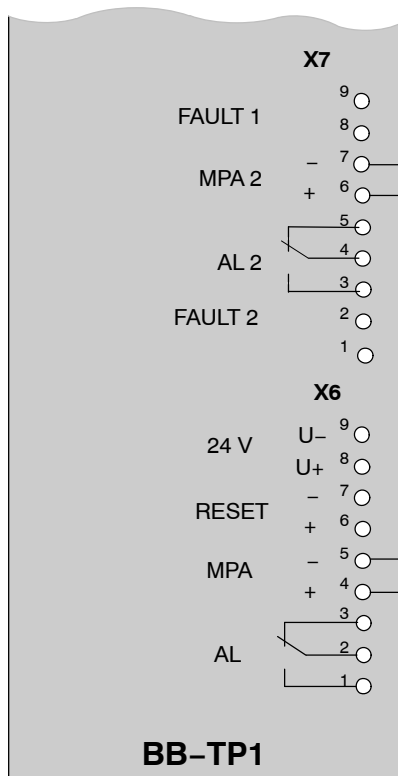
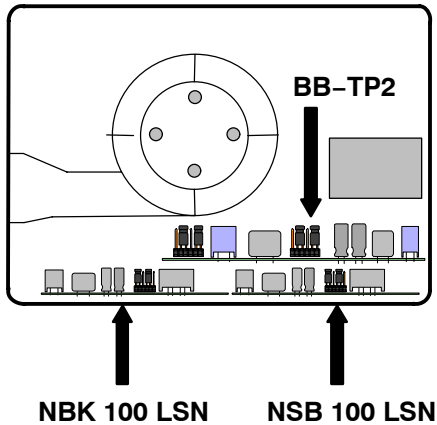
TITANUS PRO SENS TP1

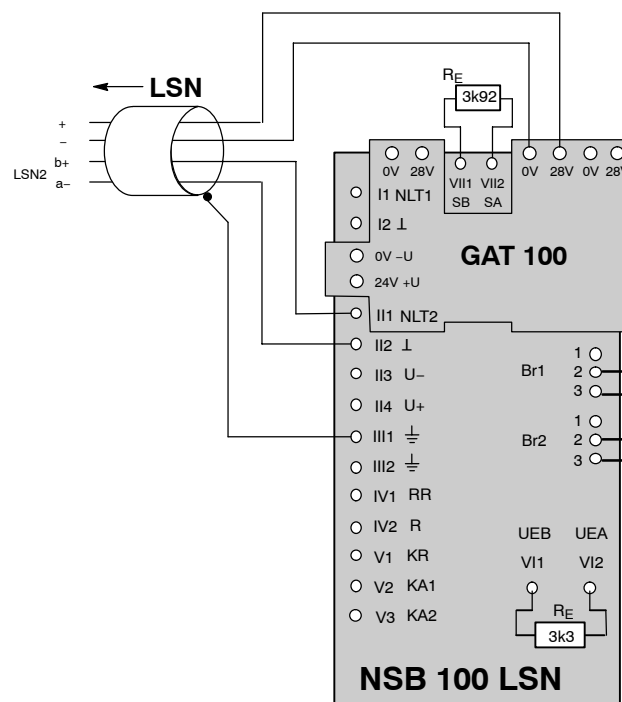
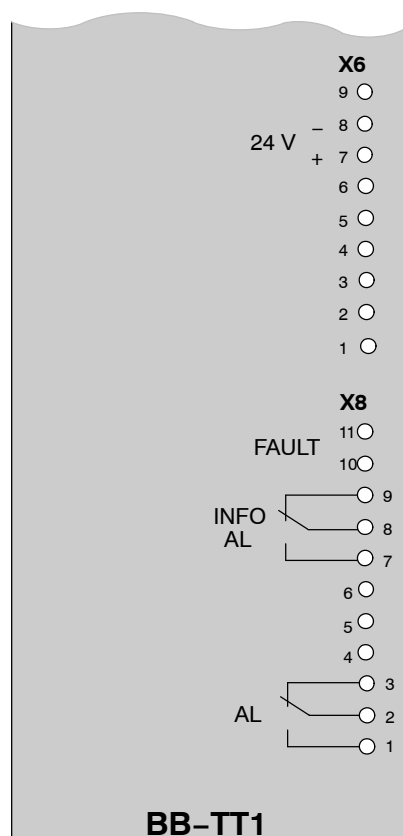
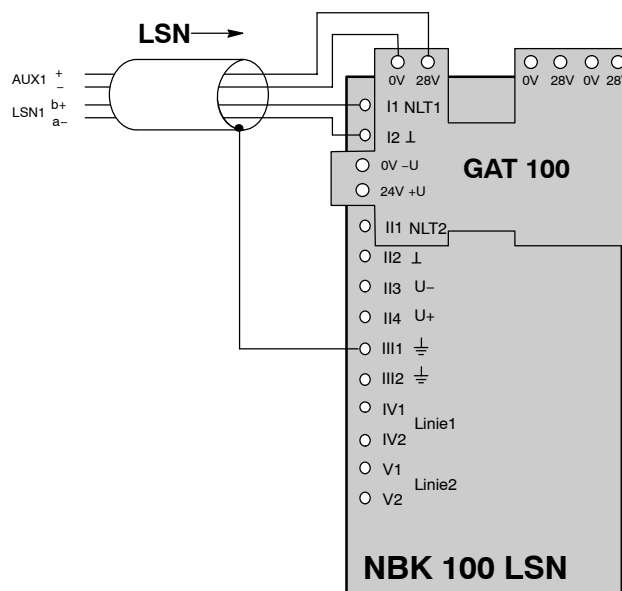
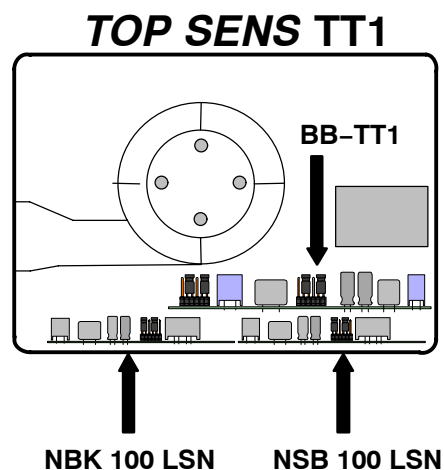


LSN 0300 A

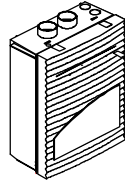
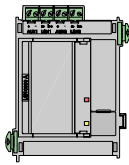


TITANUS PRO SENS TP2

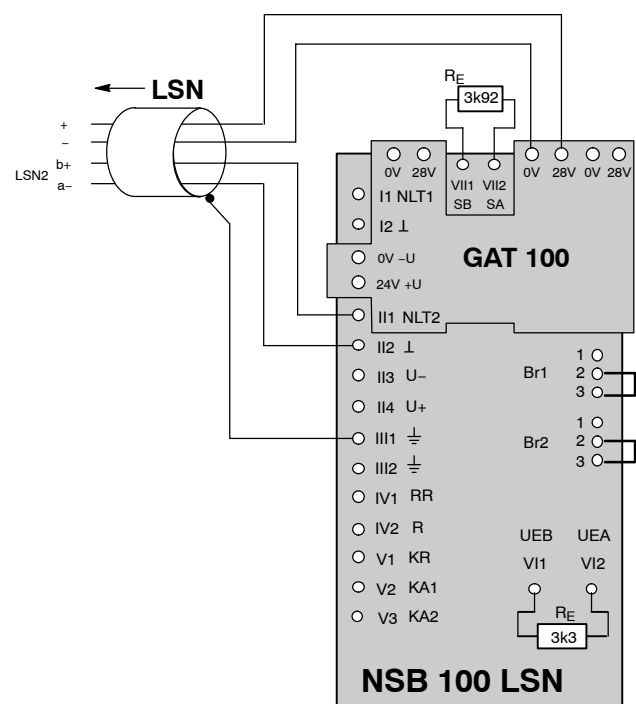
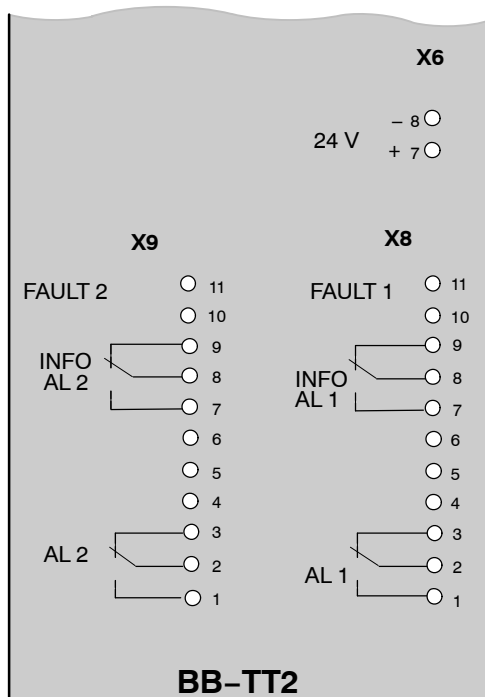
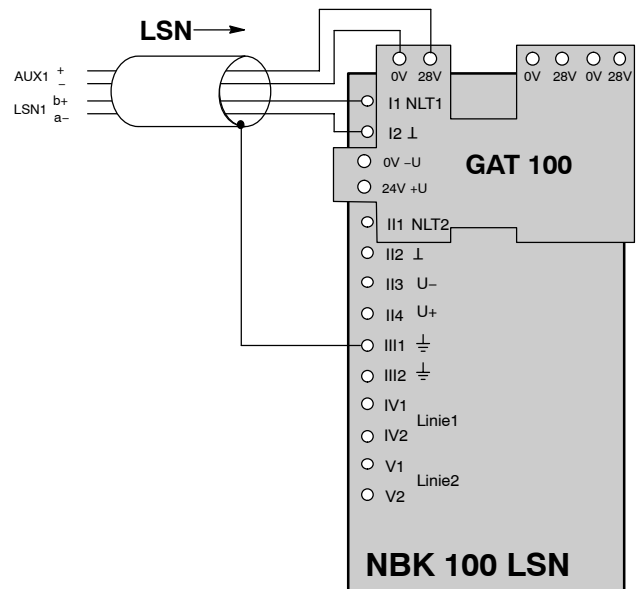
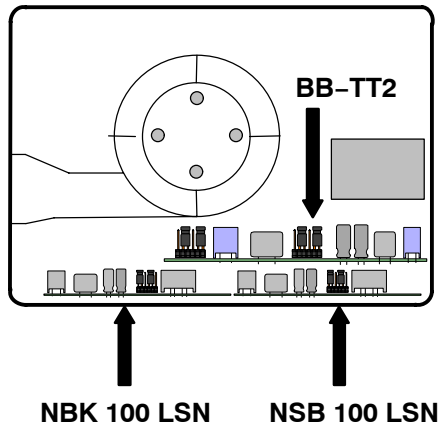
PRO SENS TP2**BOSCH**

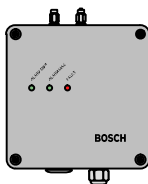
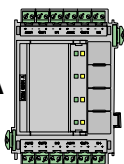


LSN 0300 A

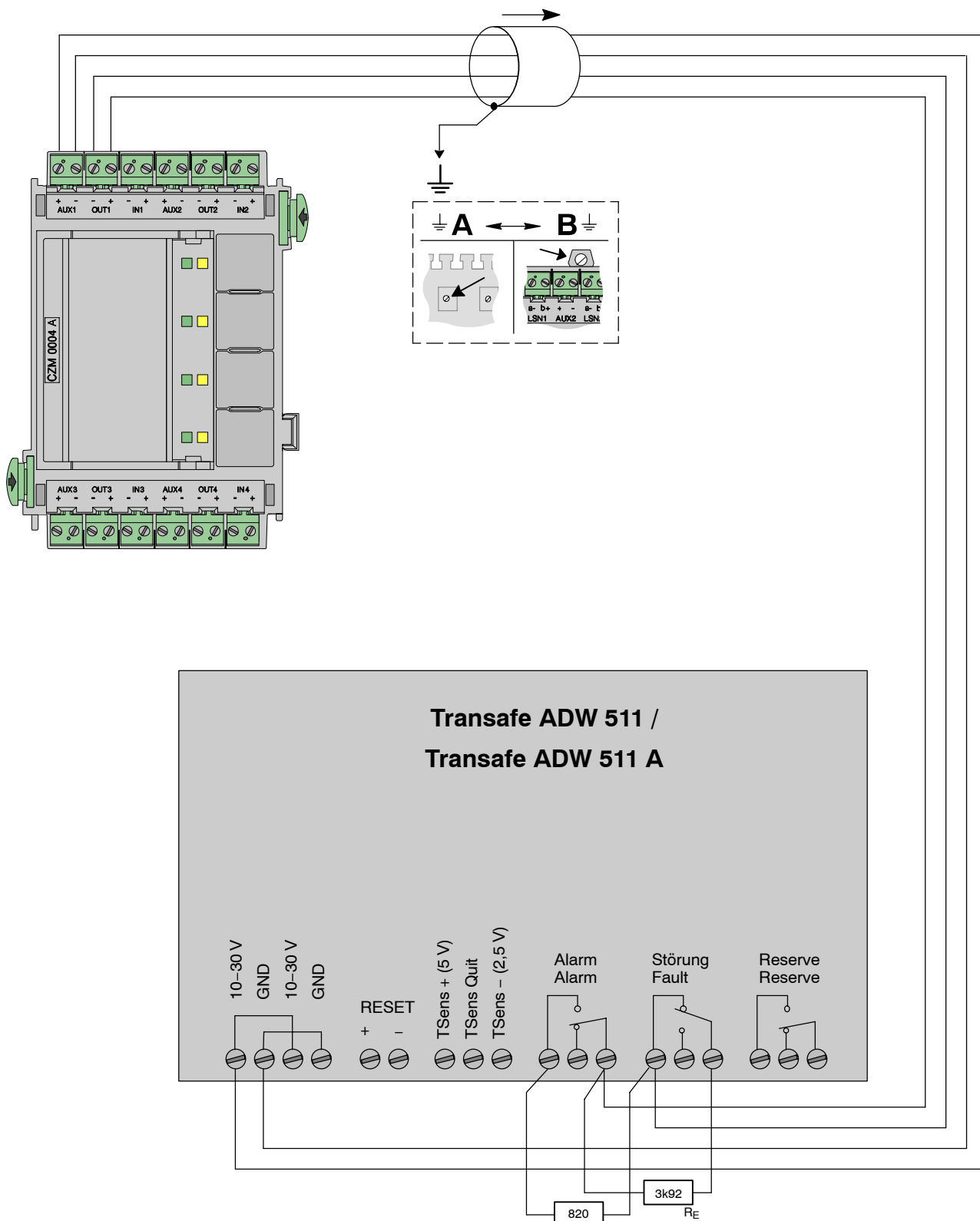


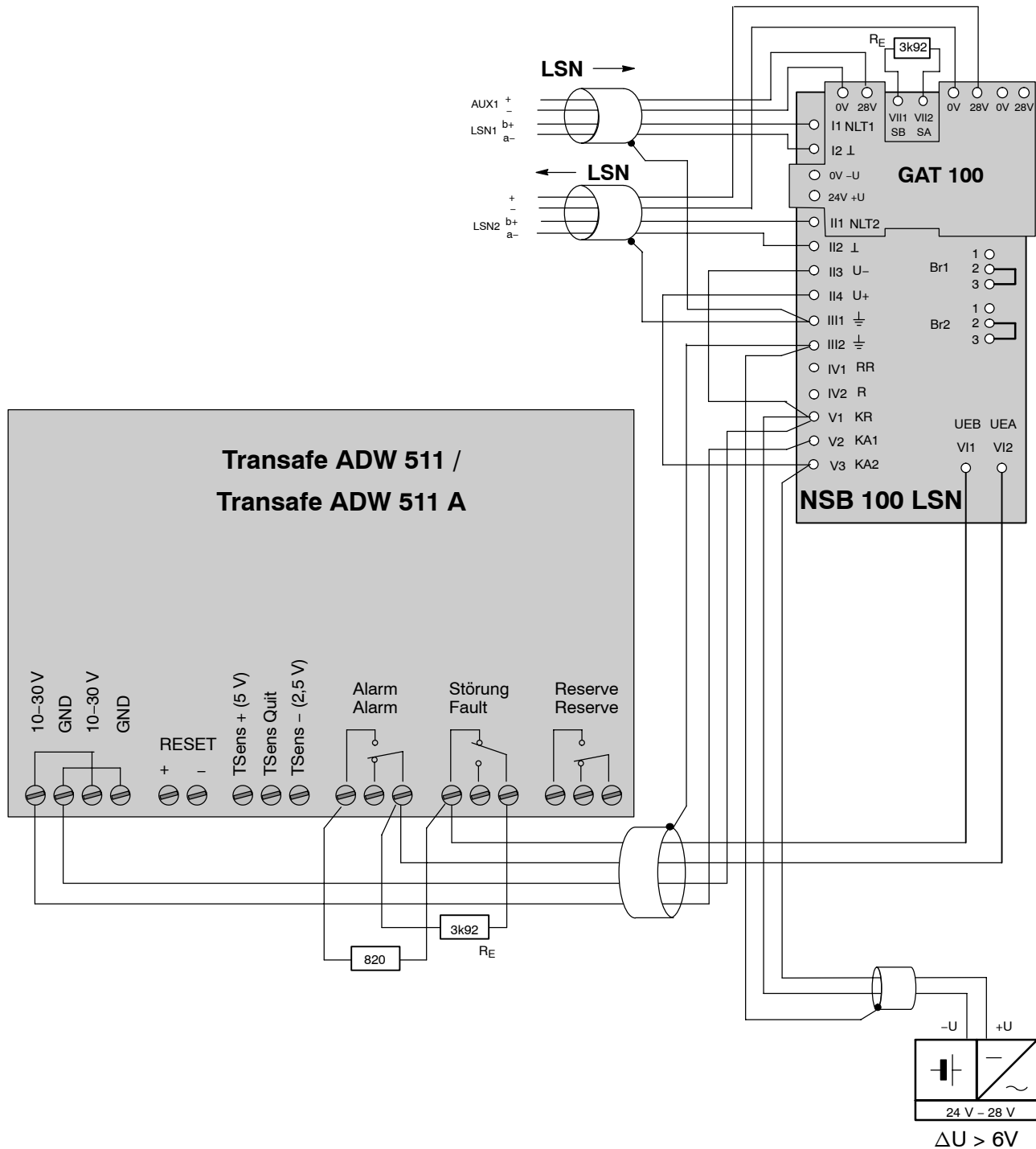
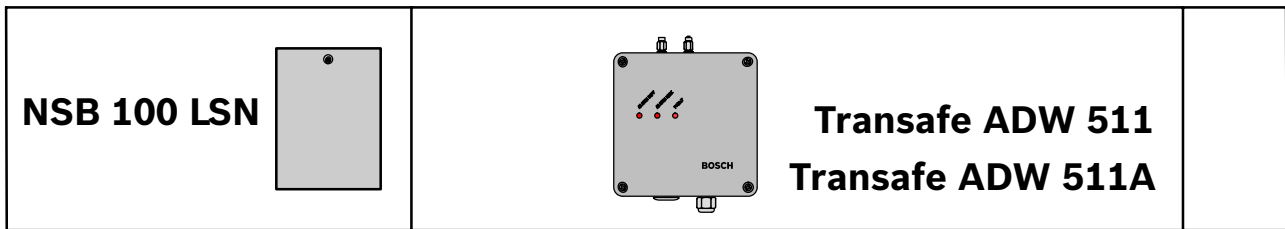
TITANUS TOP SENS TT2

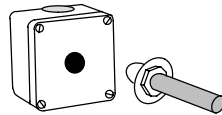
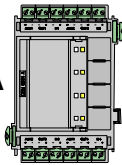
TOP SENS TT2

CZM 0004 A

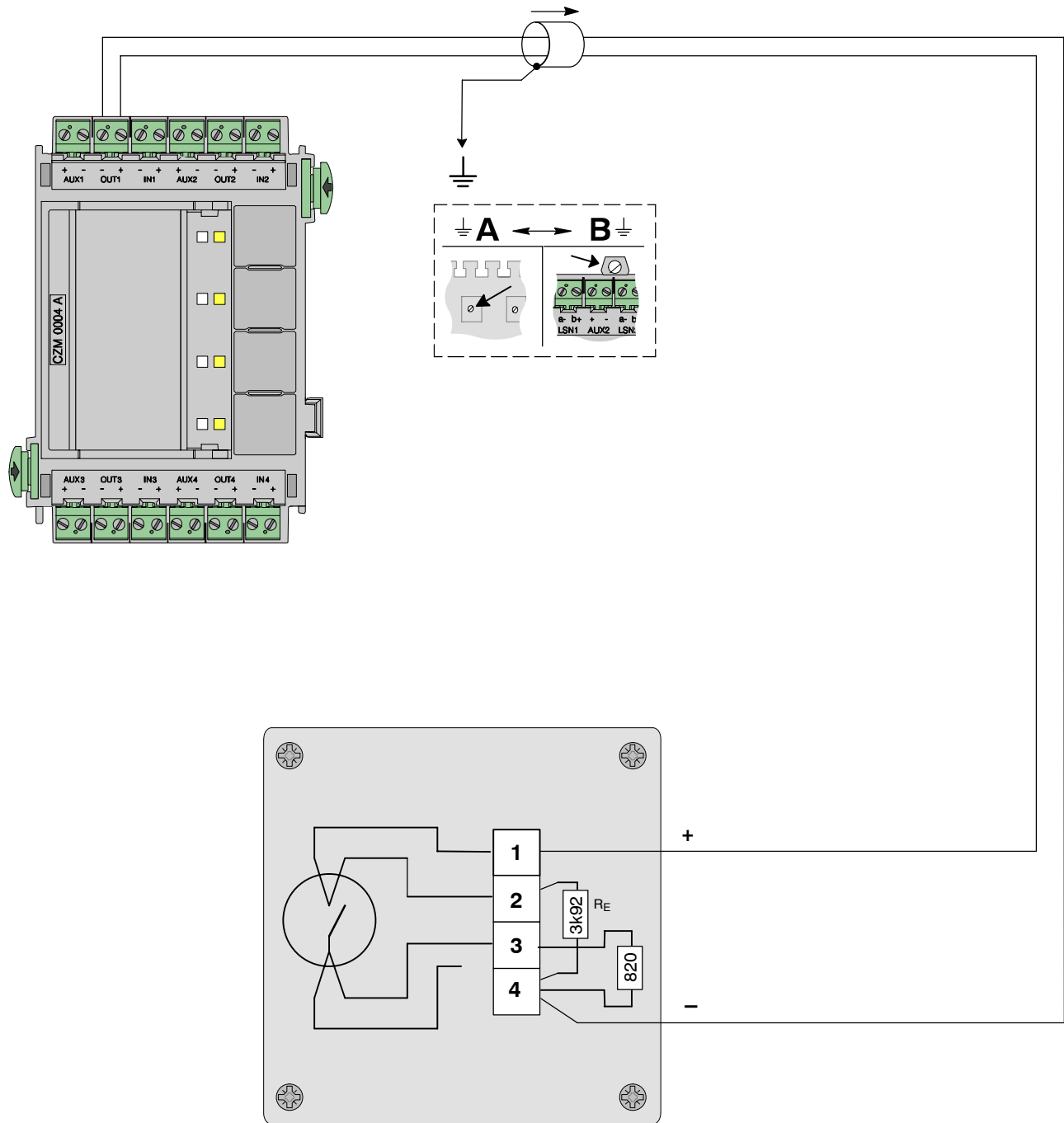
Transafe ADW 511
Transafe ADW 511A



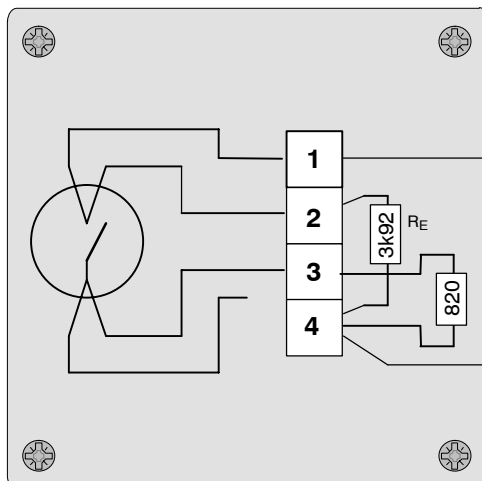
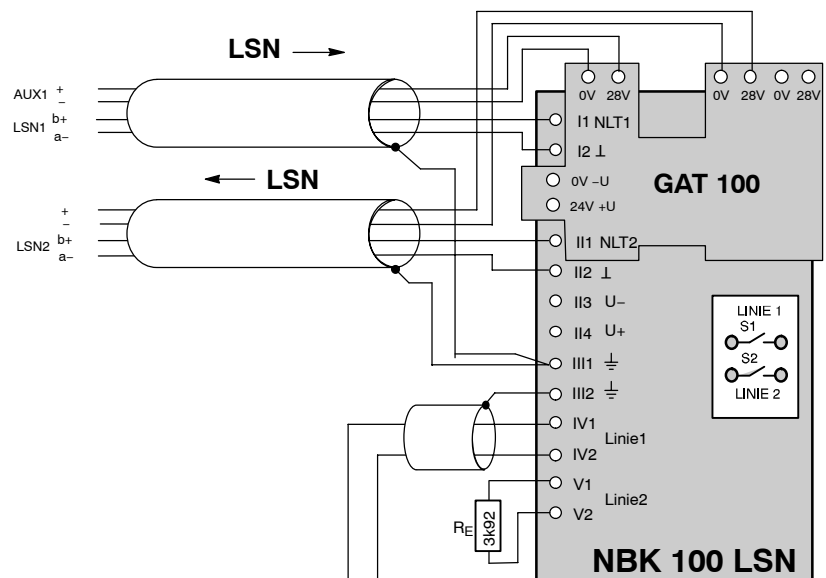
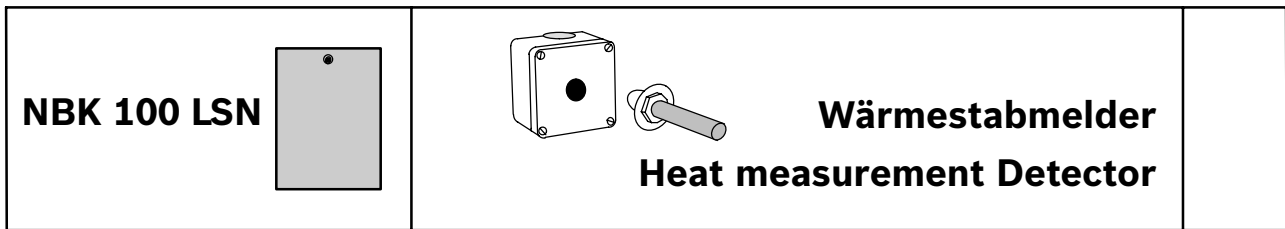


CZM 0004 A

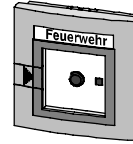
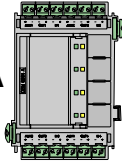
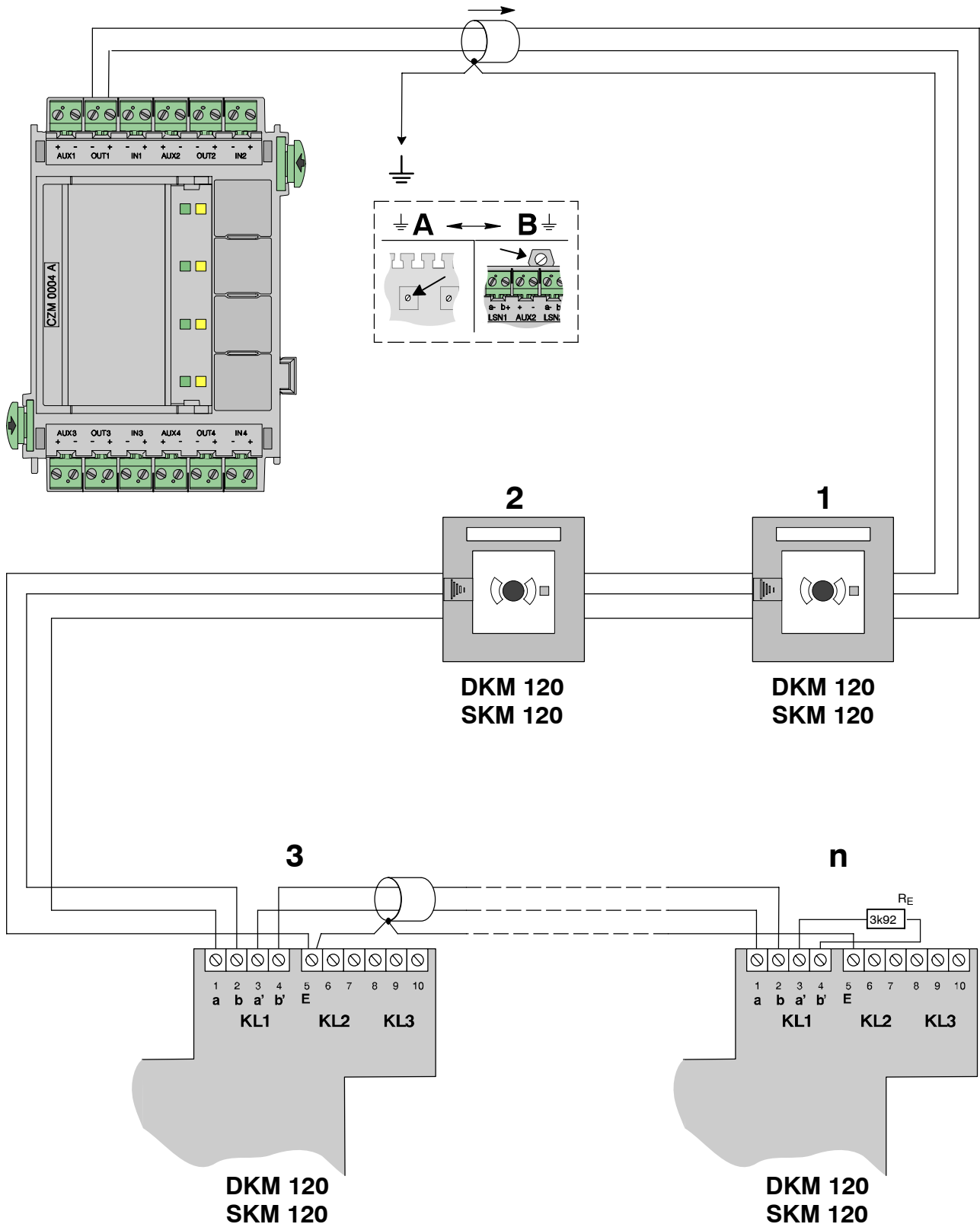
Wärmestabmelder
Heat measurement Detector

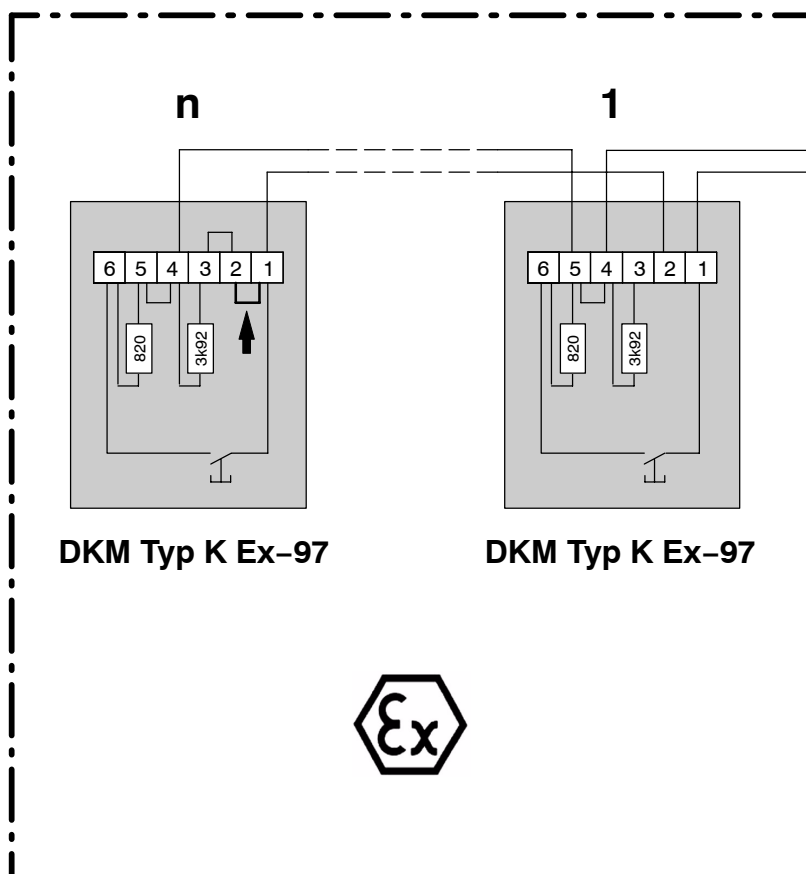
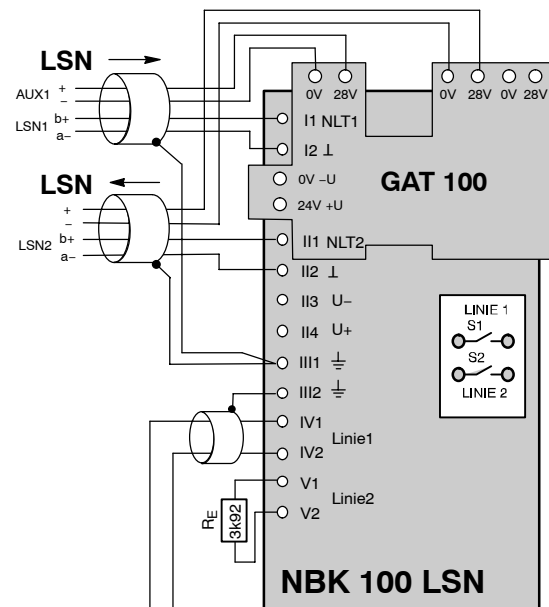
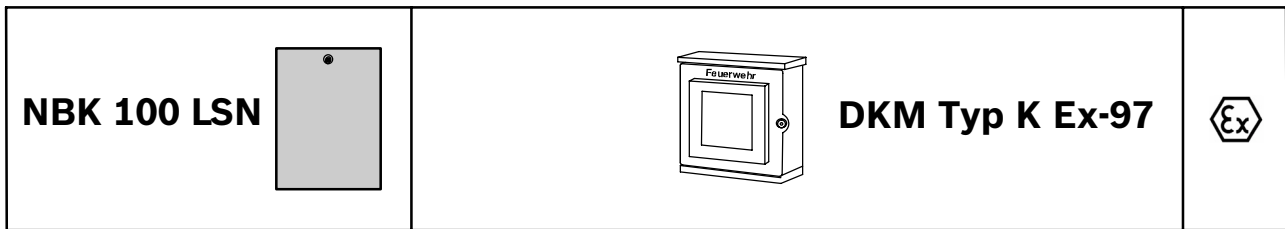


Wärmestabmelder
(Heat measurement Detector)

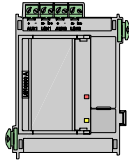


Wärmestabmelder
(Heat measurement Detector)

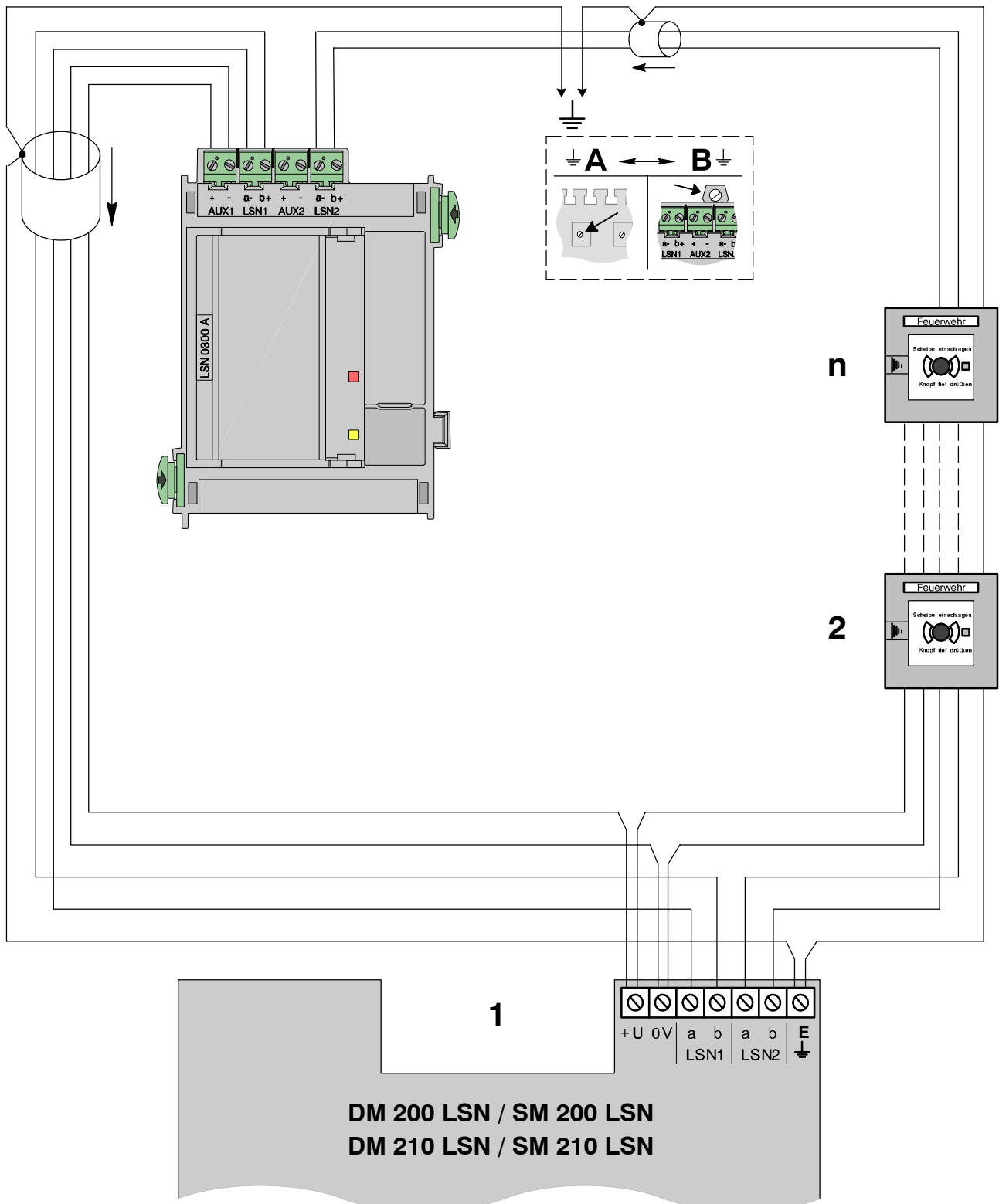
CZM 0004 A**DKM 120
SKM 120**

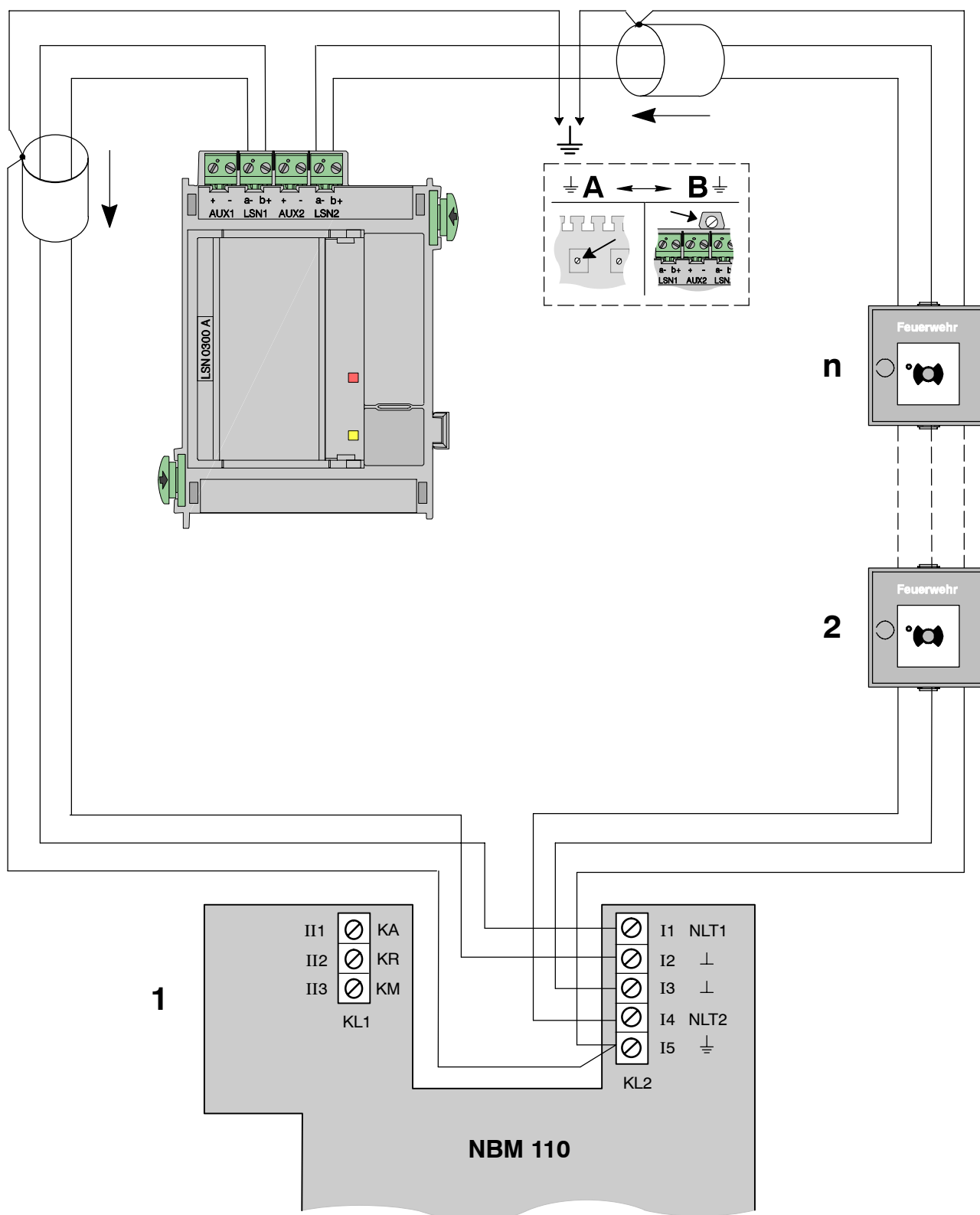


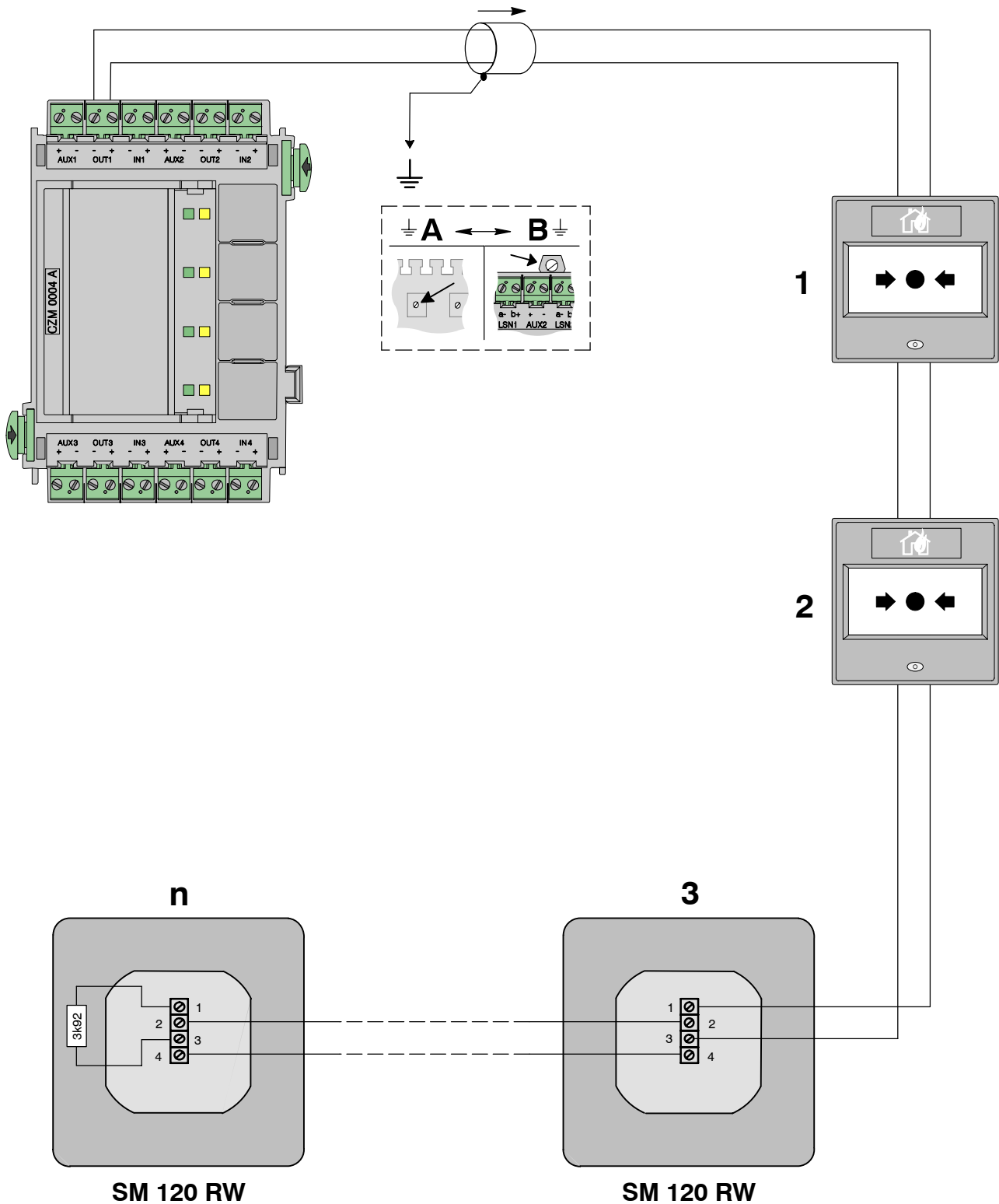
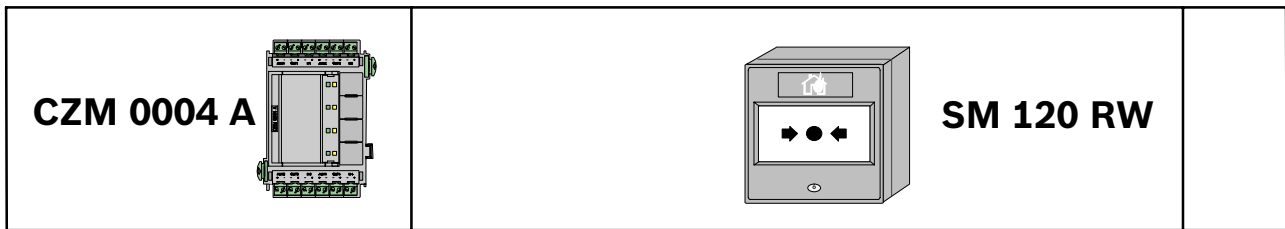
LSN 0300 A



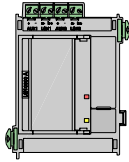
DM 200 LSN
DM 210 LSN
SM 200 LSN
SM 210 LSN



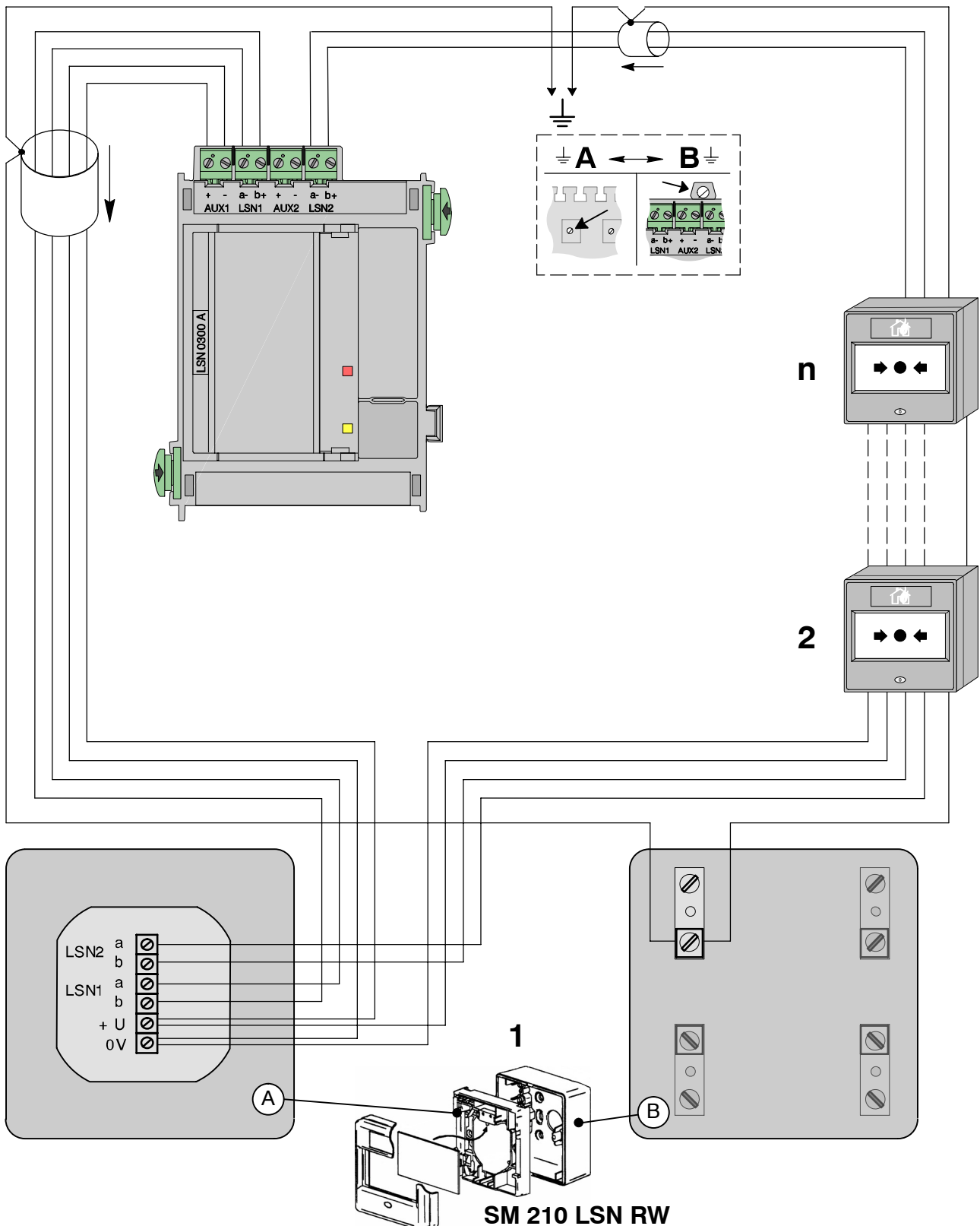
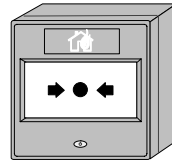


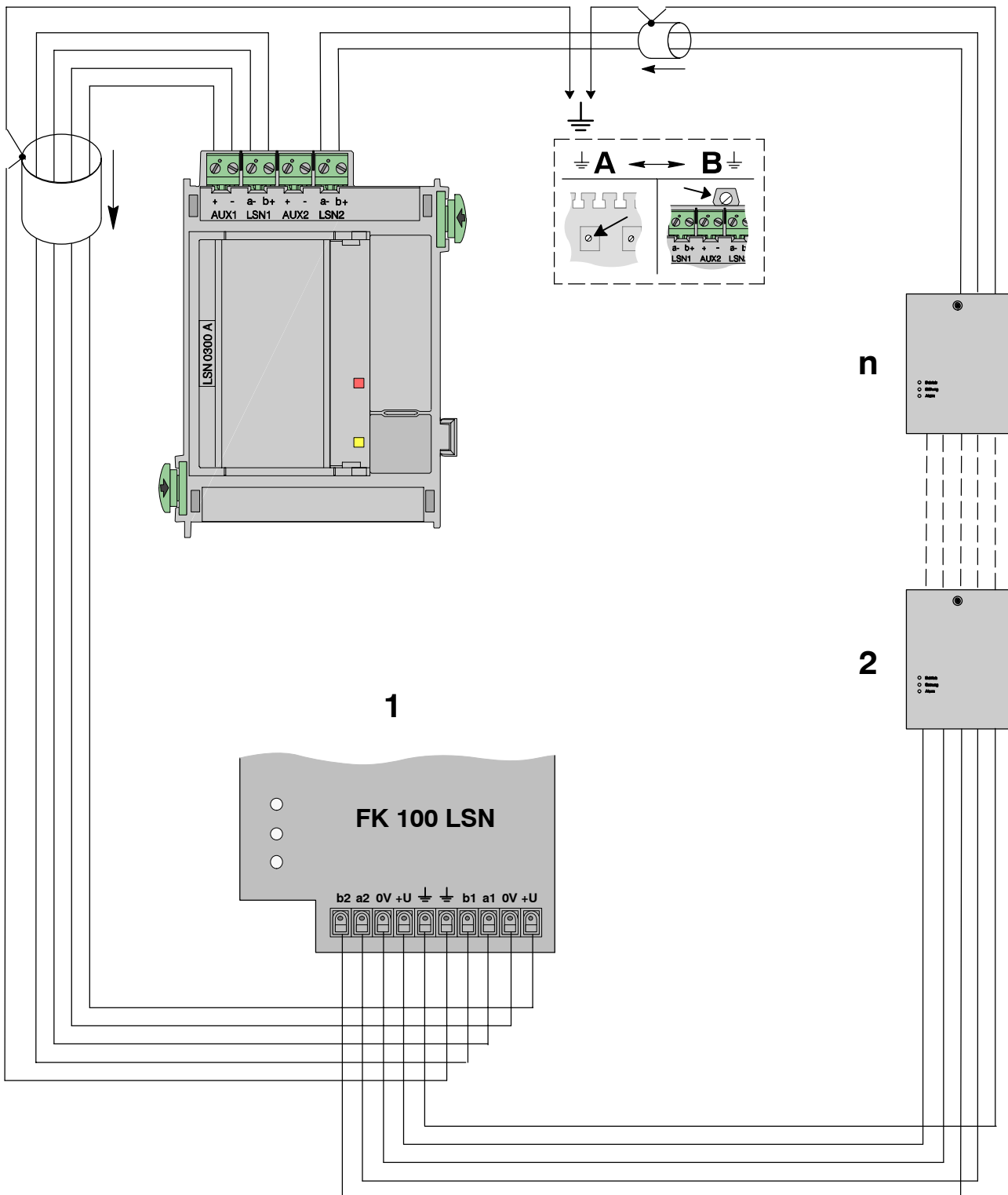
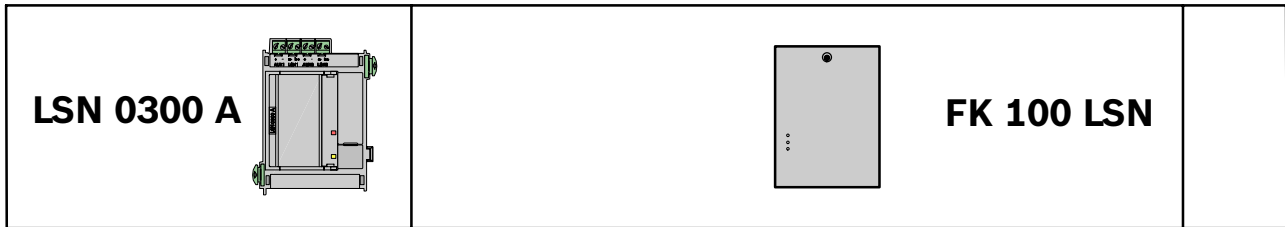


LSN 0300 A

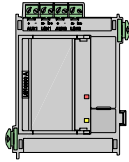


SM 210 LSN RW

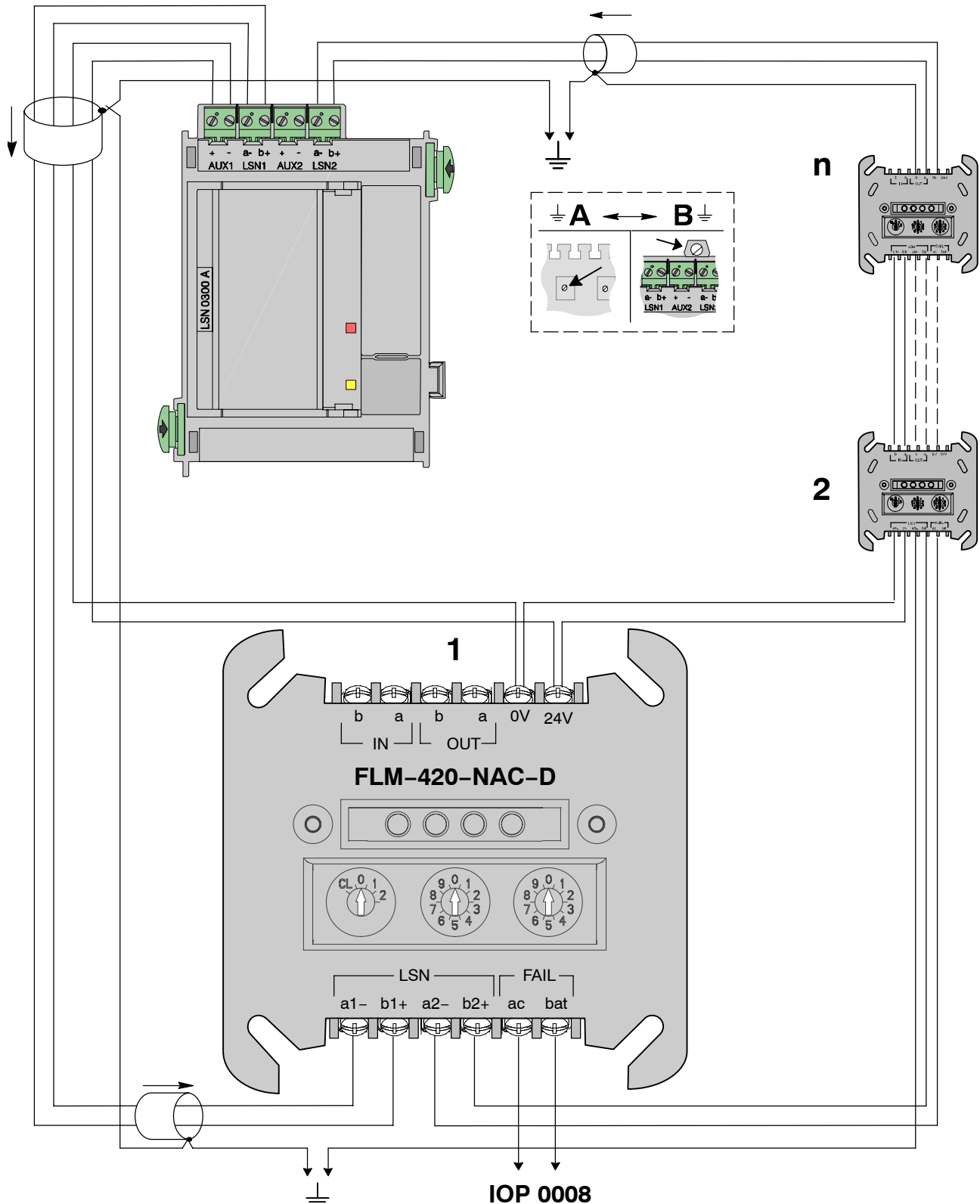
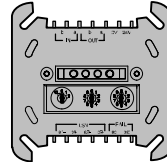




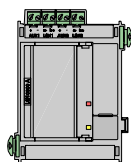
LSN 0300 A



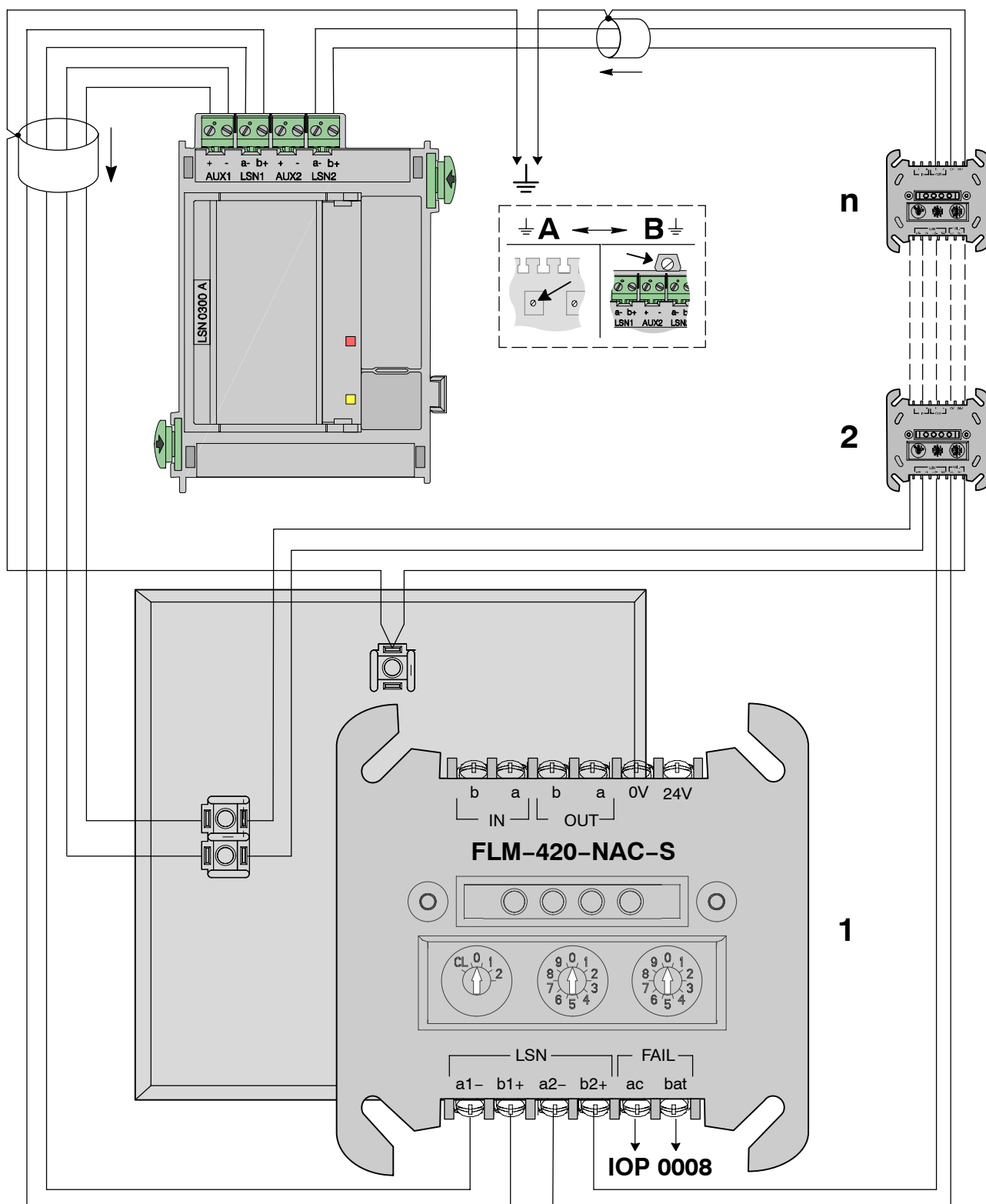
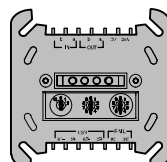
FLM-420-NAC-D



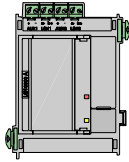
LSN 0300 A



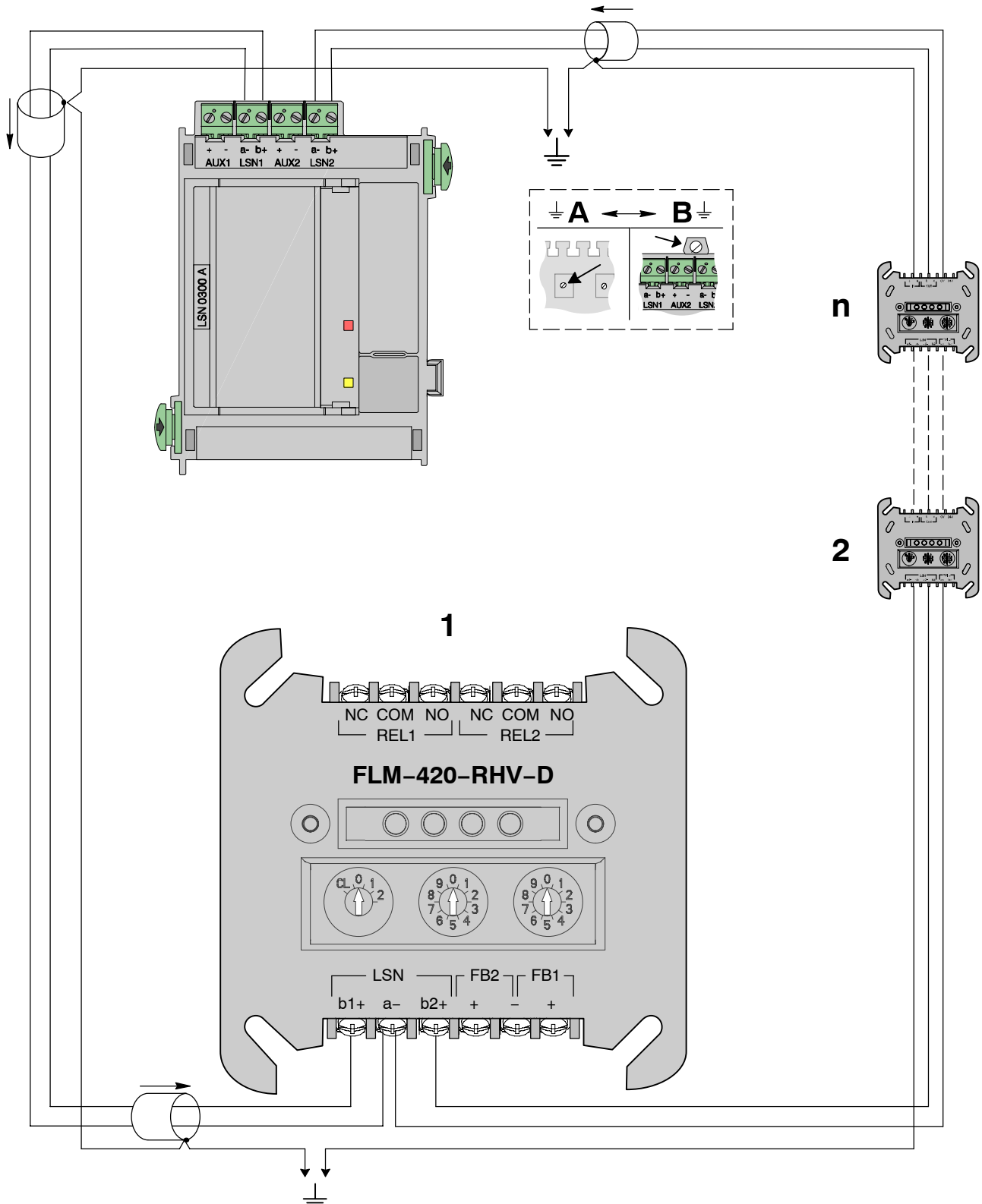
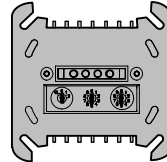
FLM-420-NAC-S



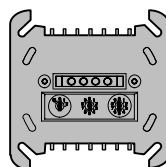
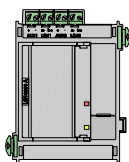
LSN 0300 A



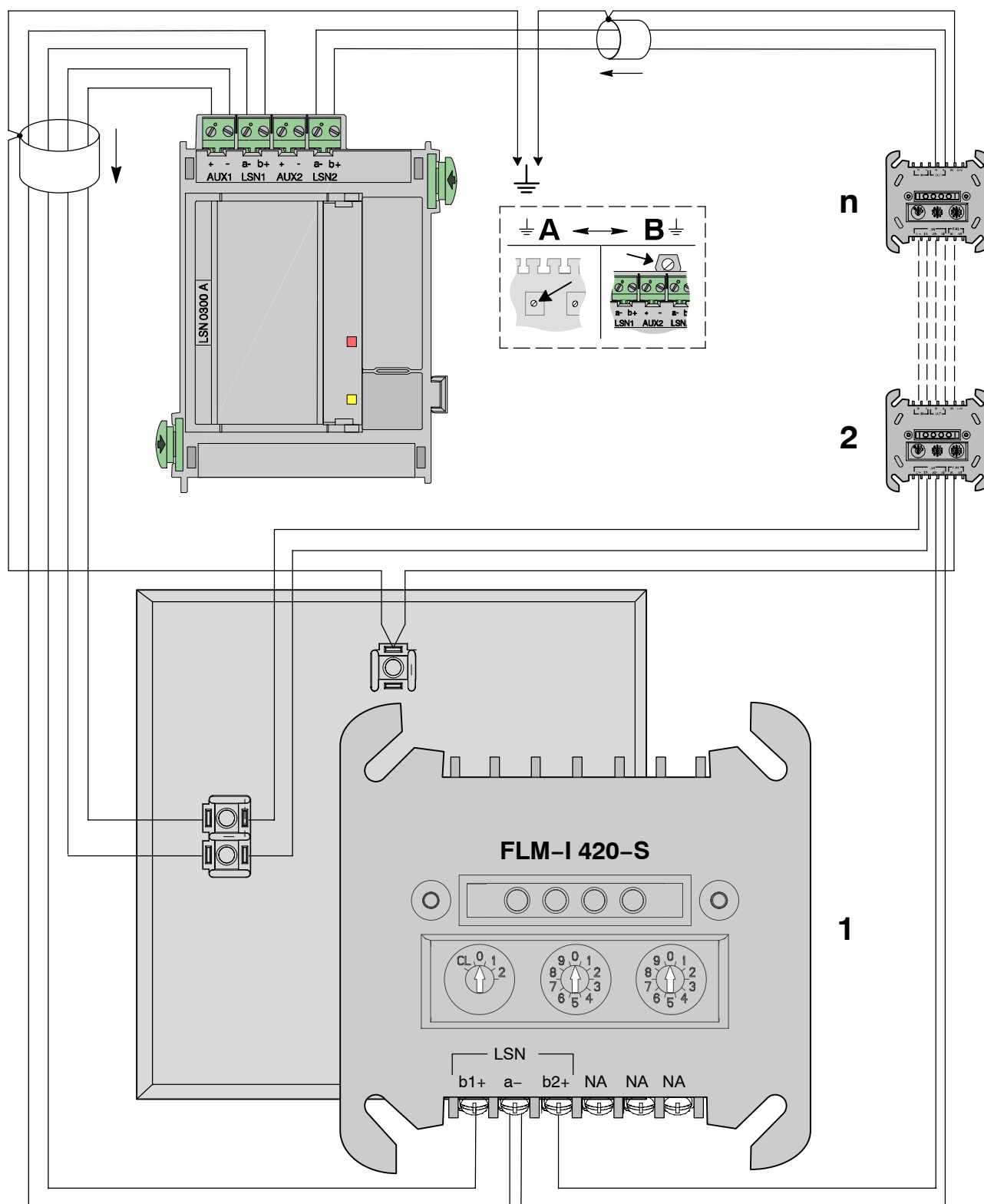
FLM-420-RHV-D

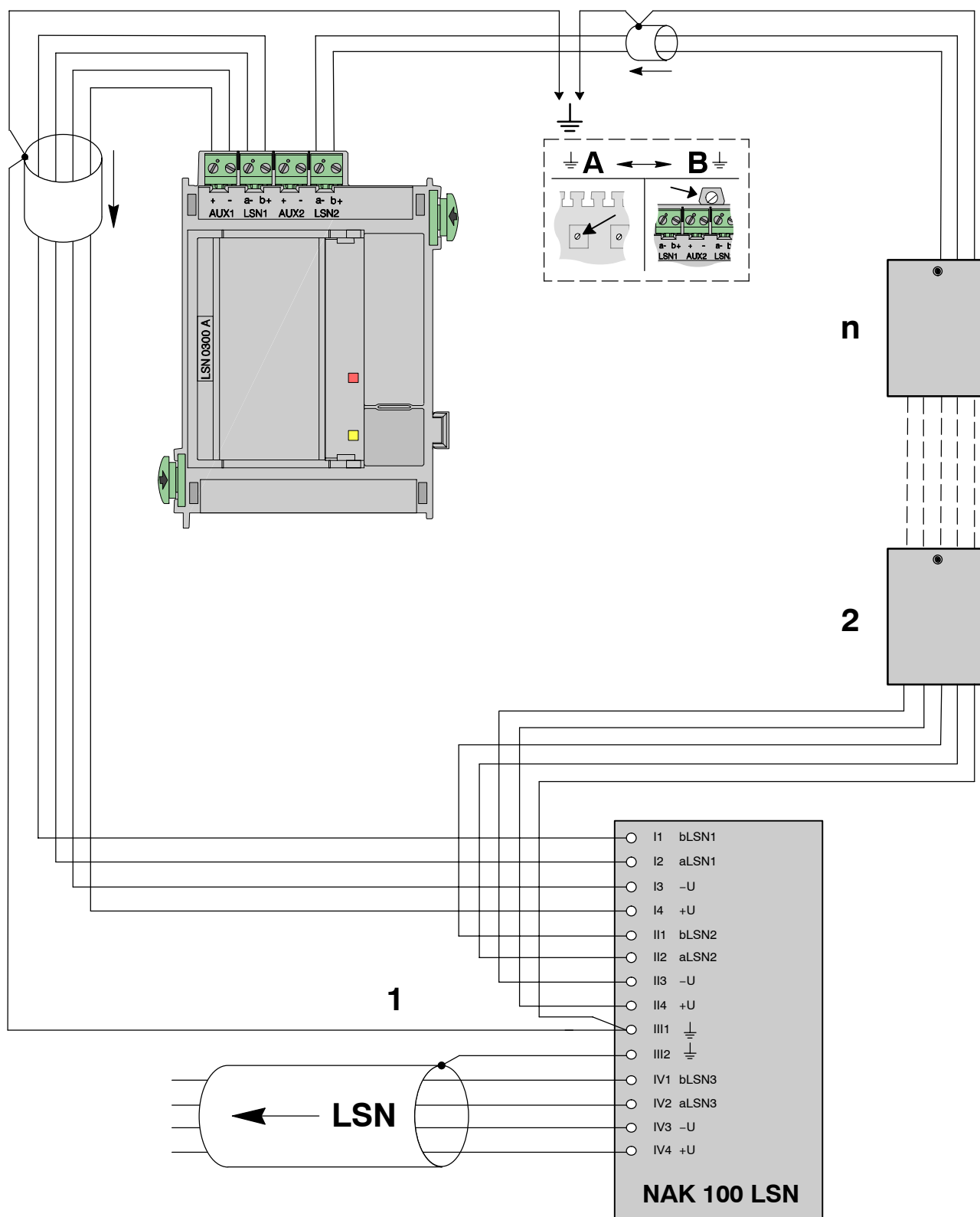
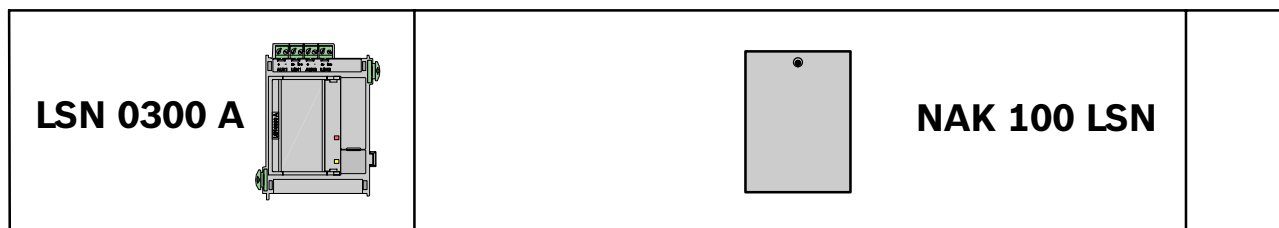


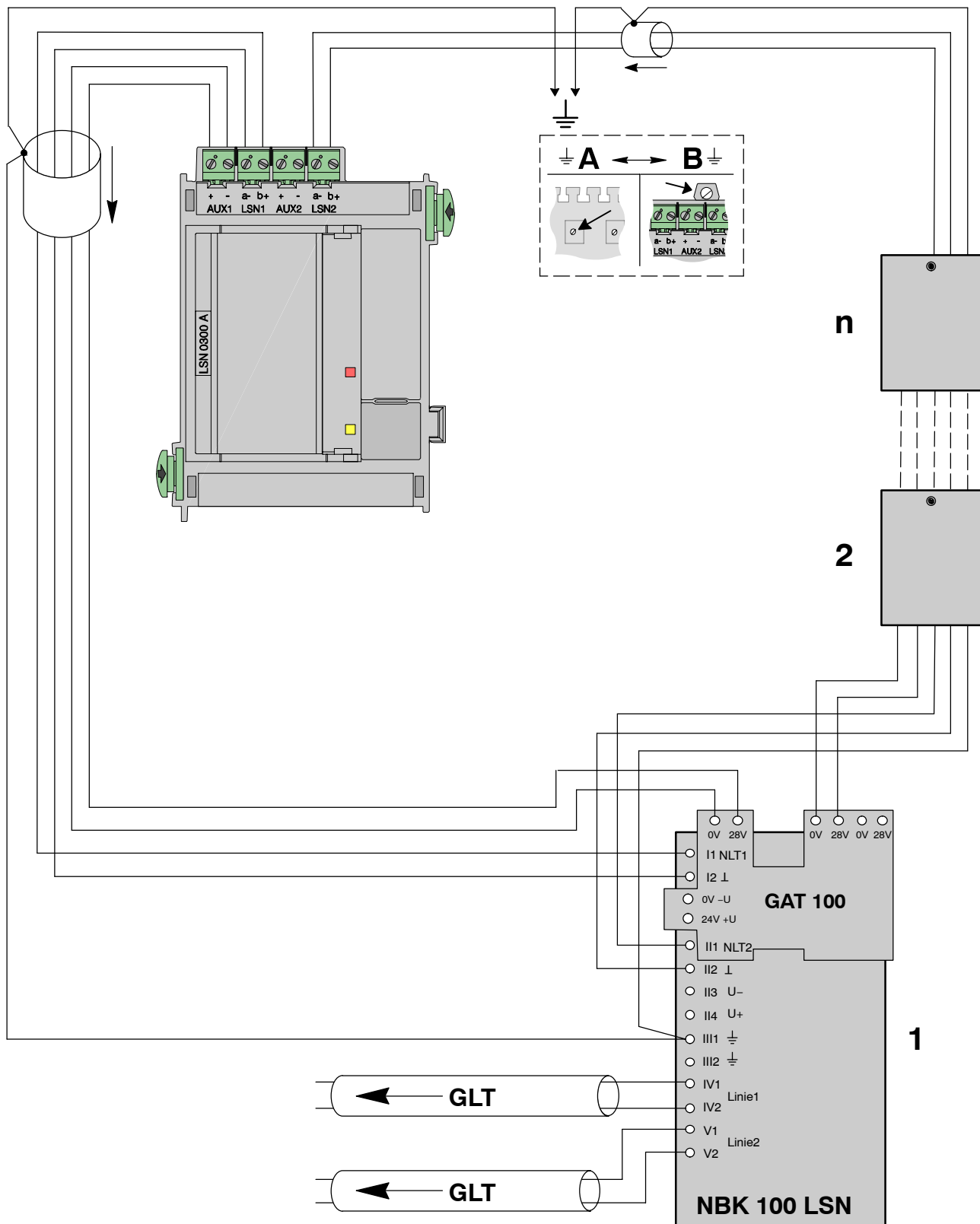
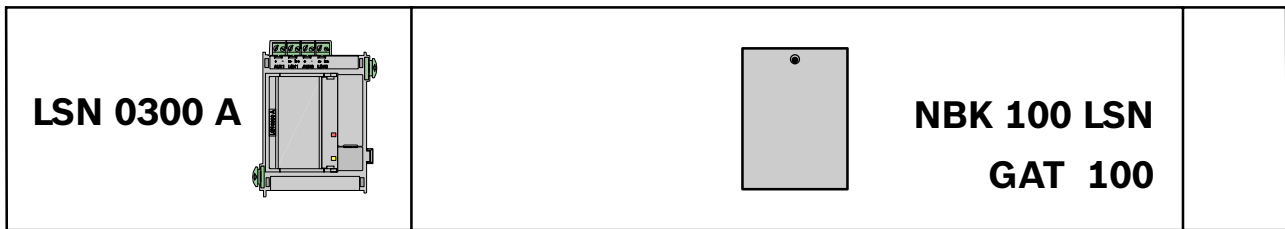
LSN 0300 A

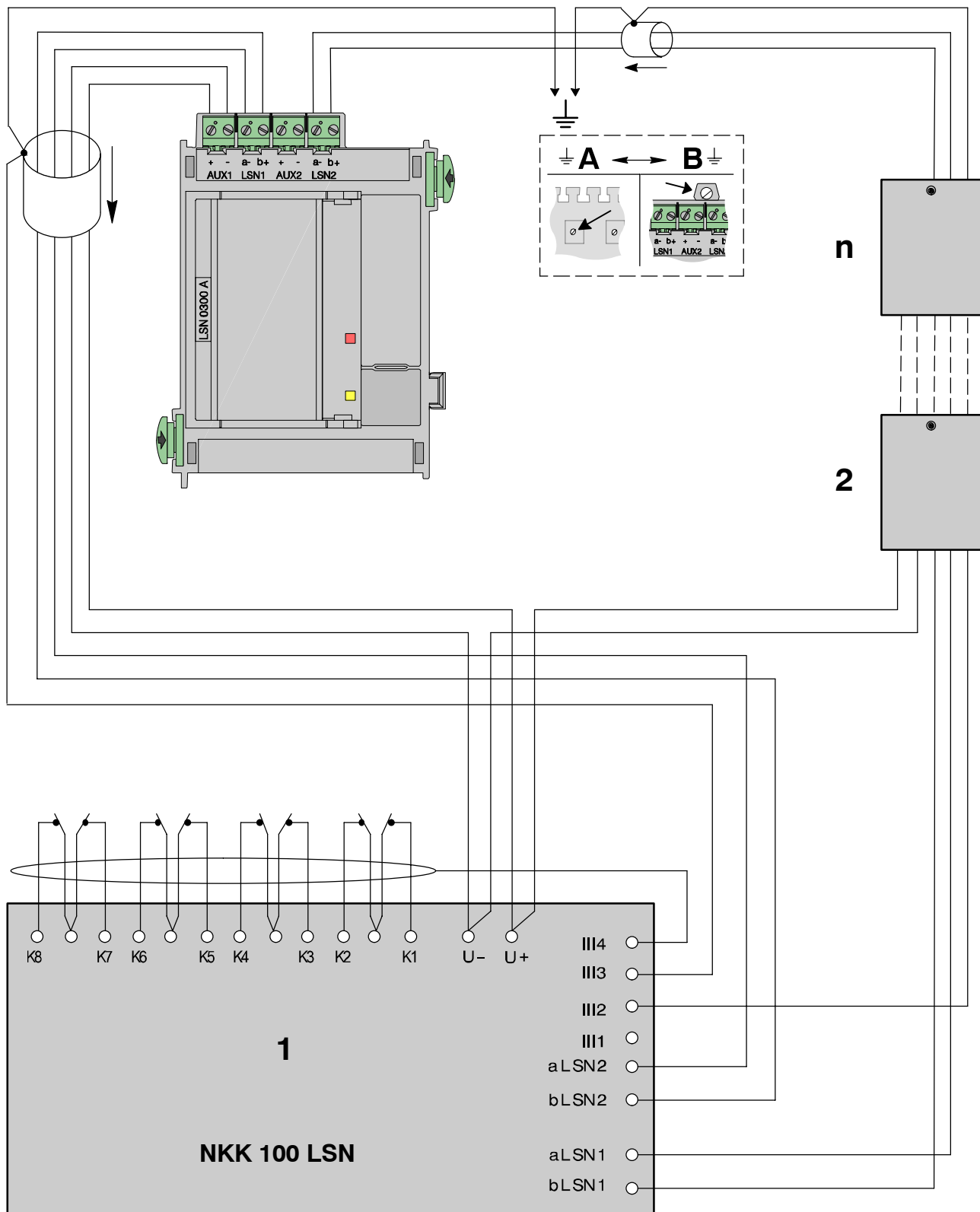
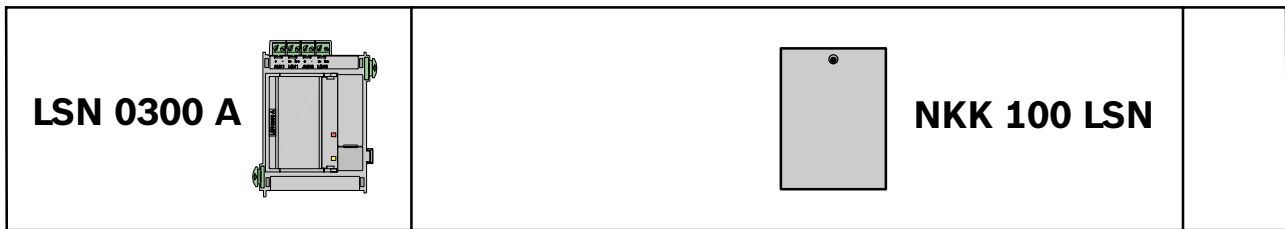


FLM-I 420-S

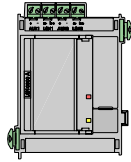
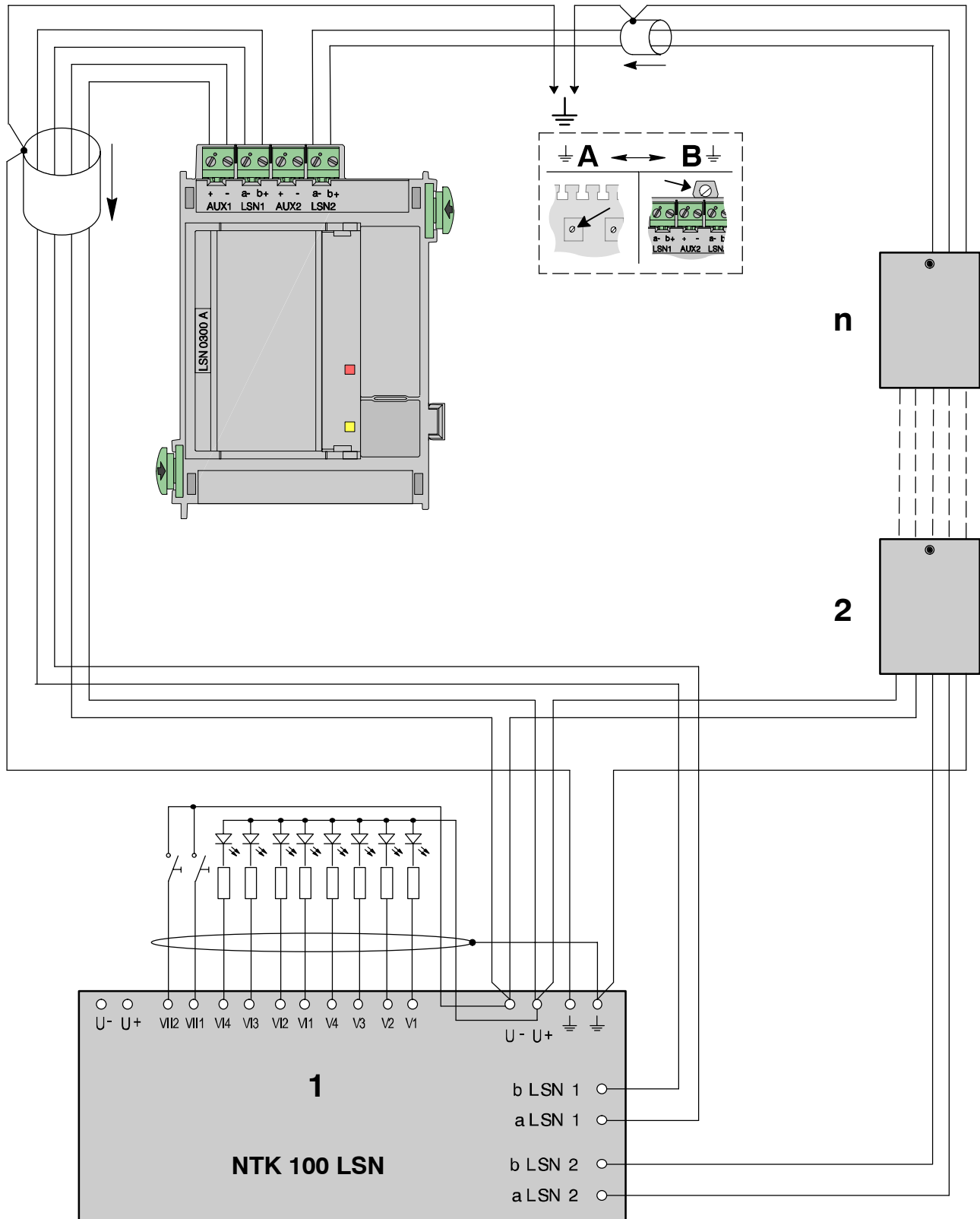
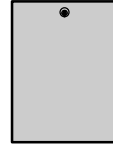


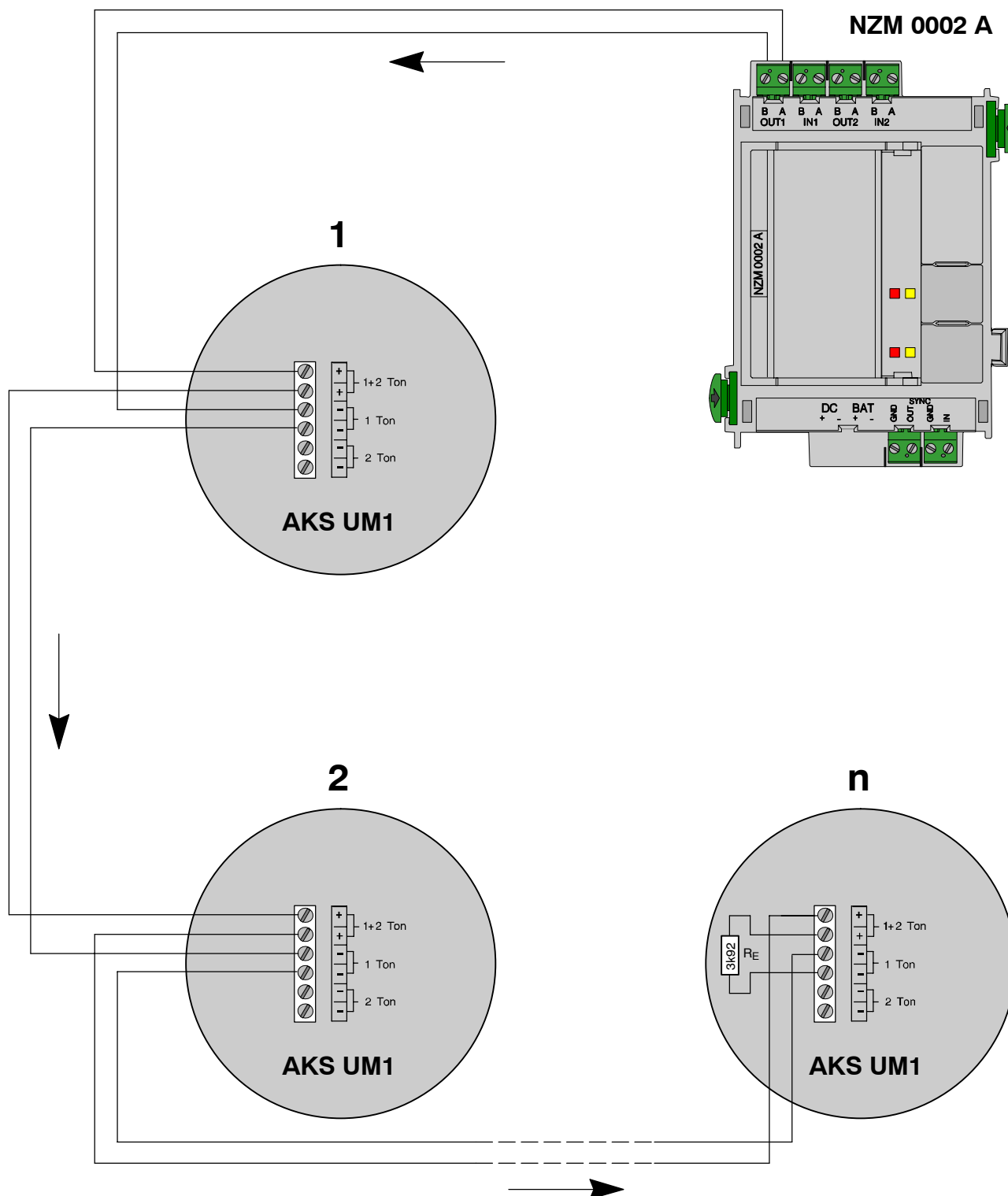




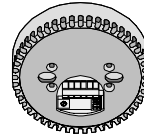
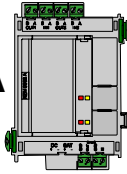


LSN 0300 A

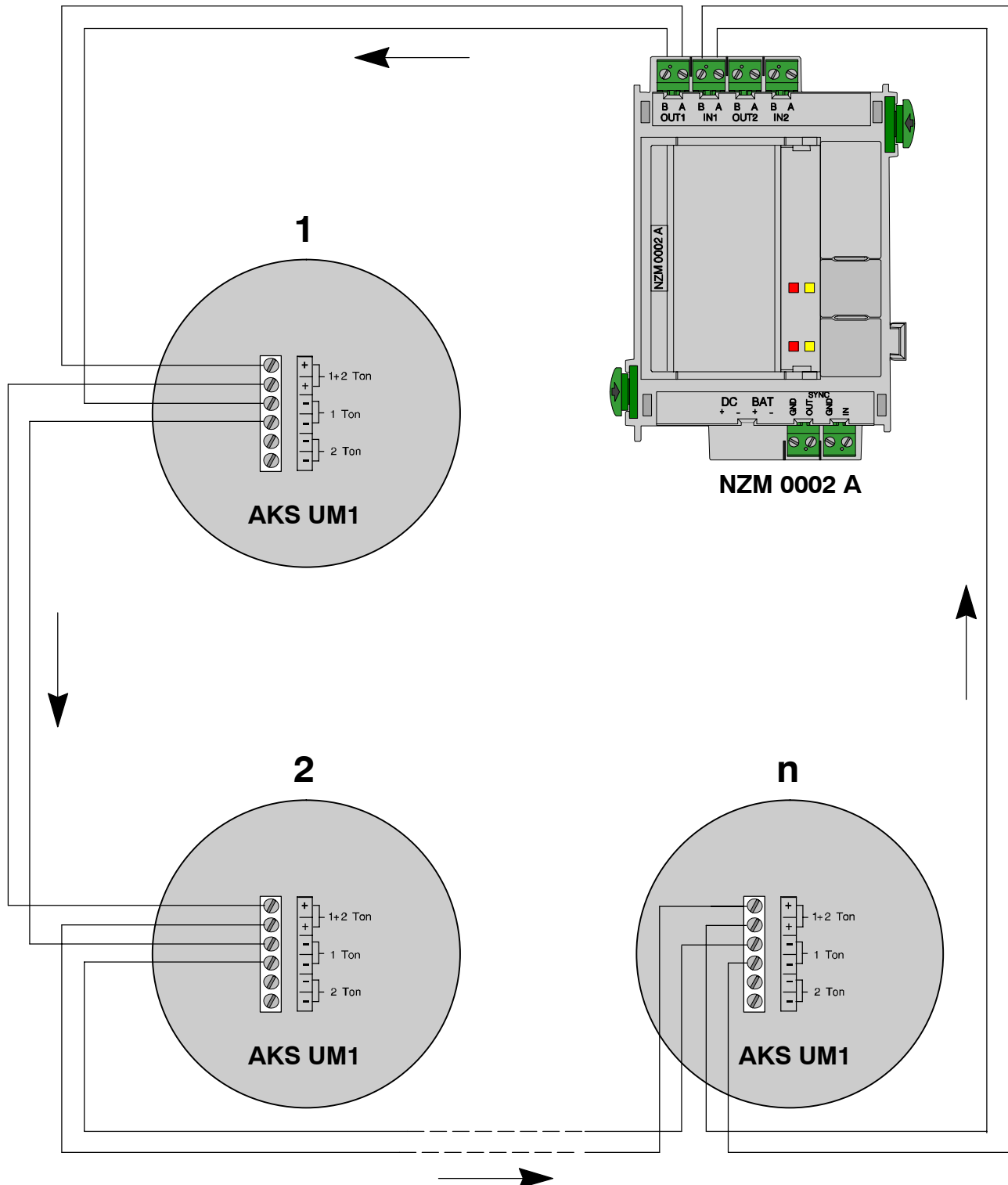

 NTK 100 LSN
 BS NTK 100 LSN


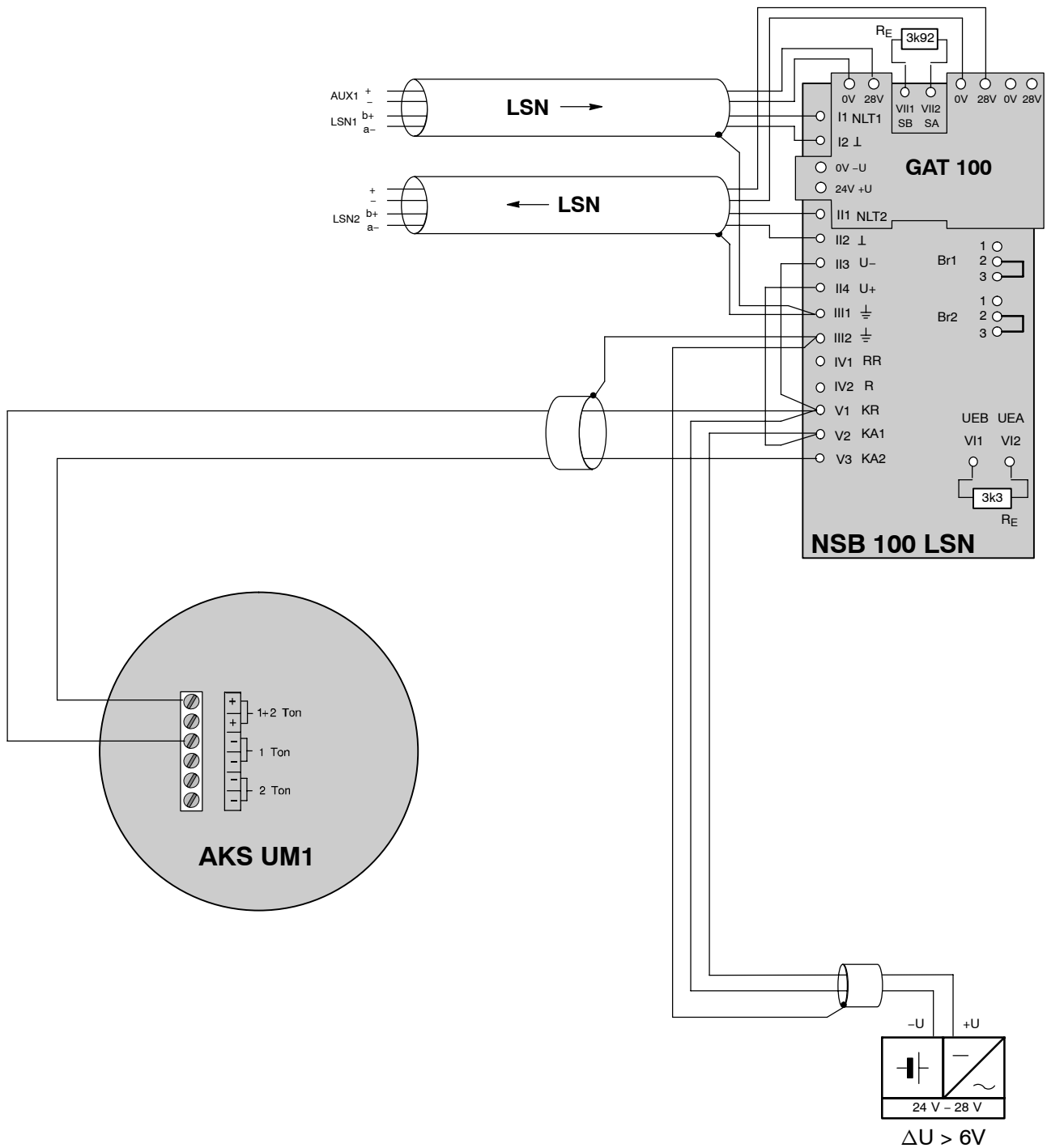
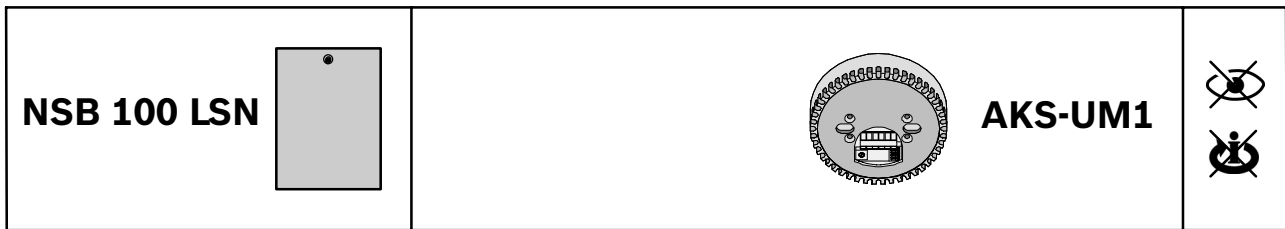


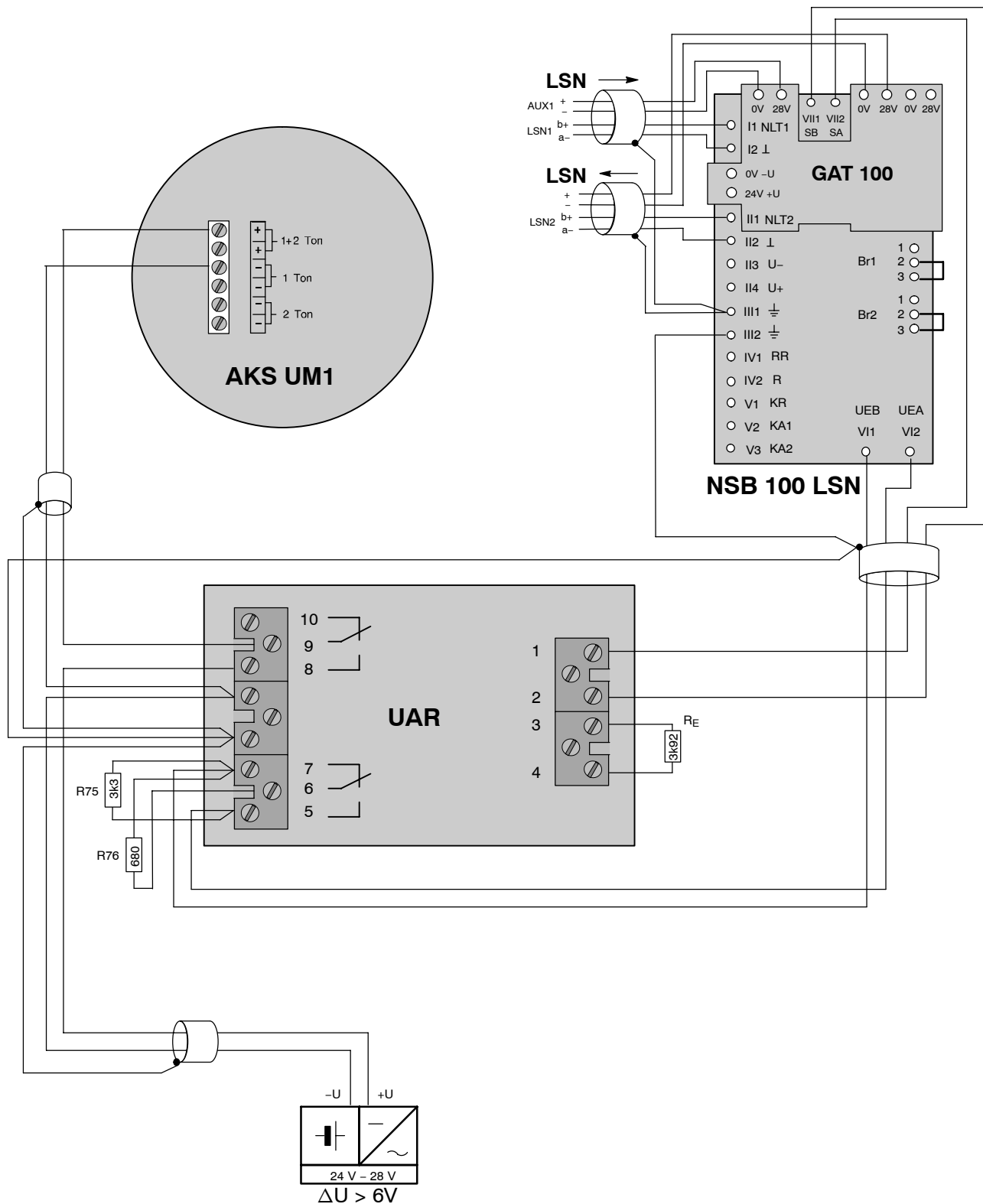
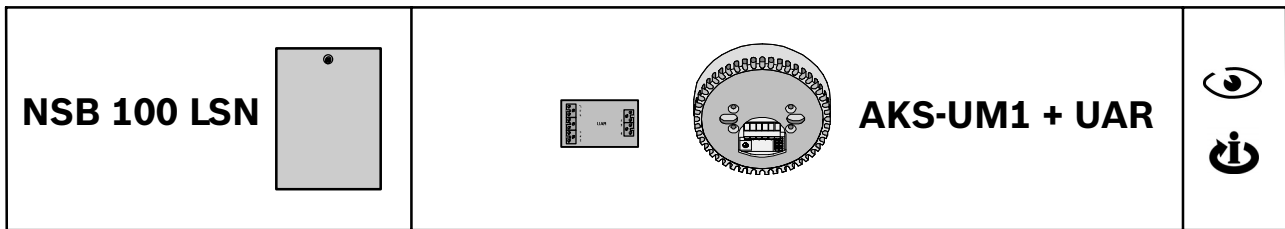
NZM 0002 A

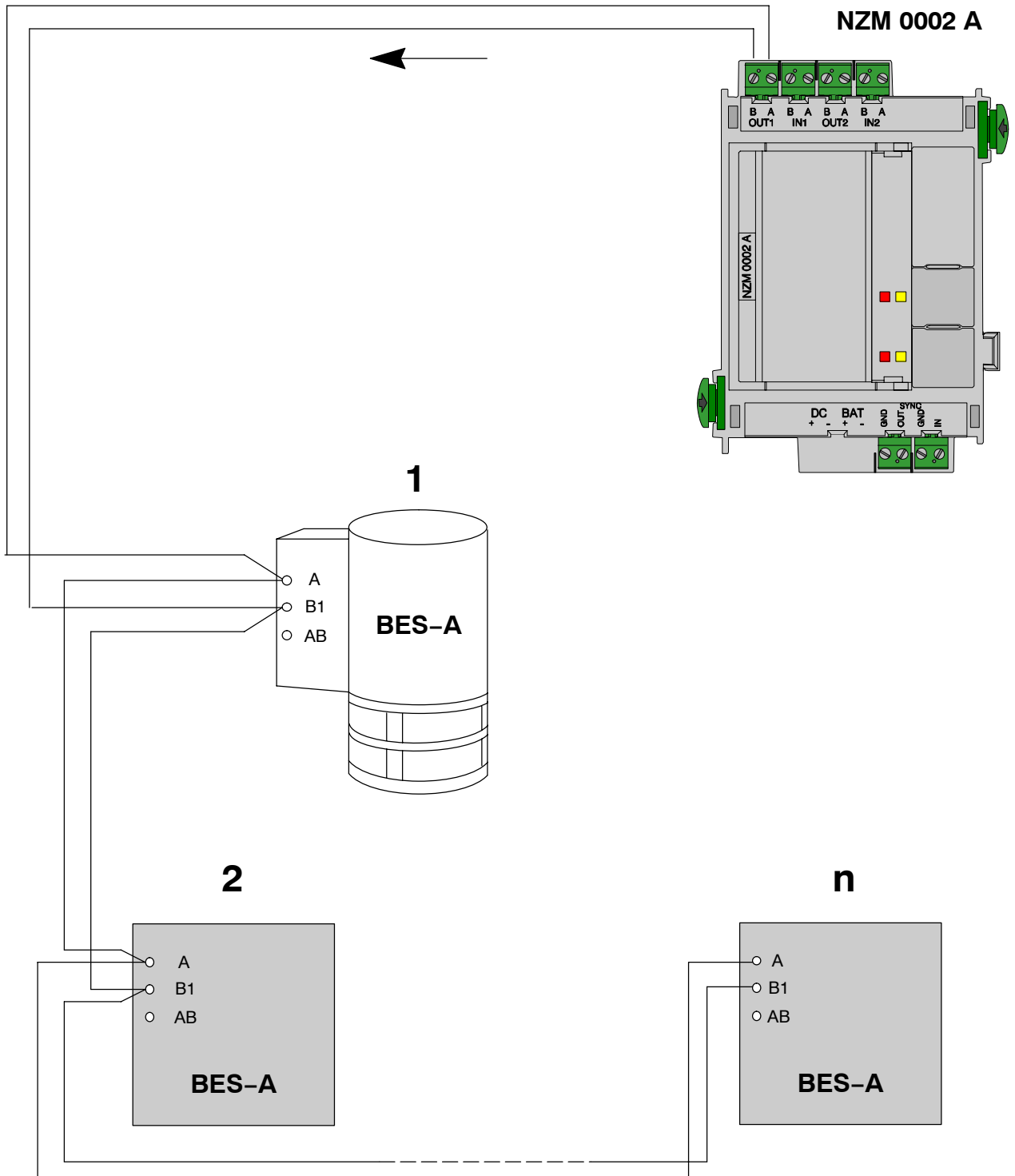
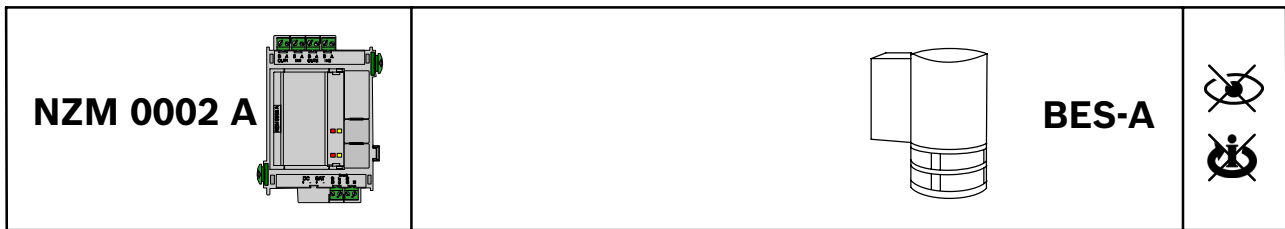


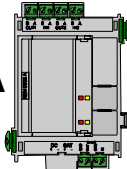
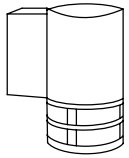
AKS-UM1

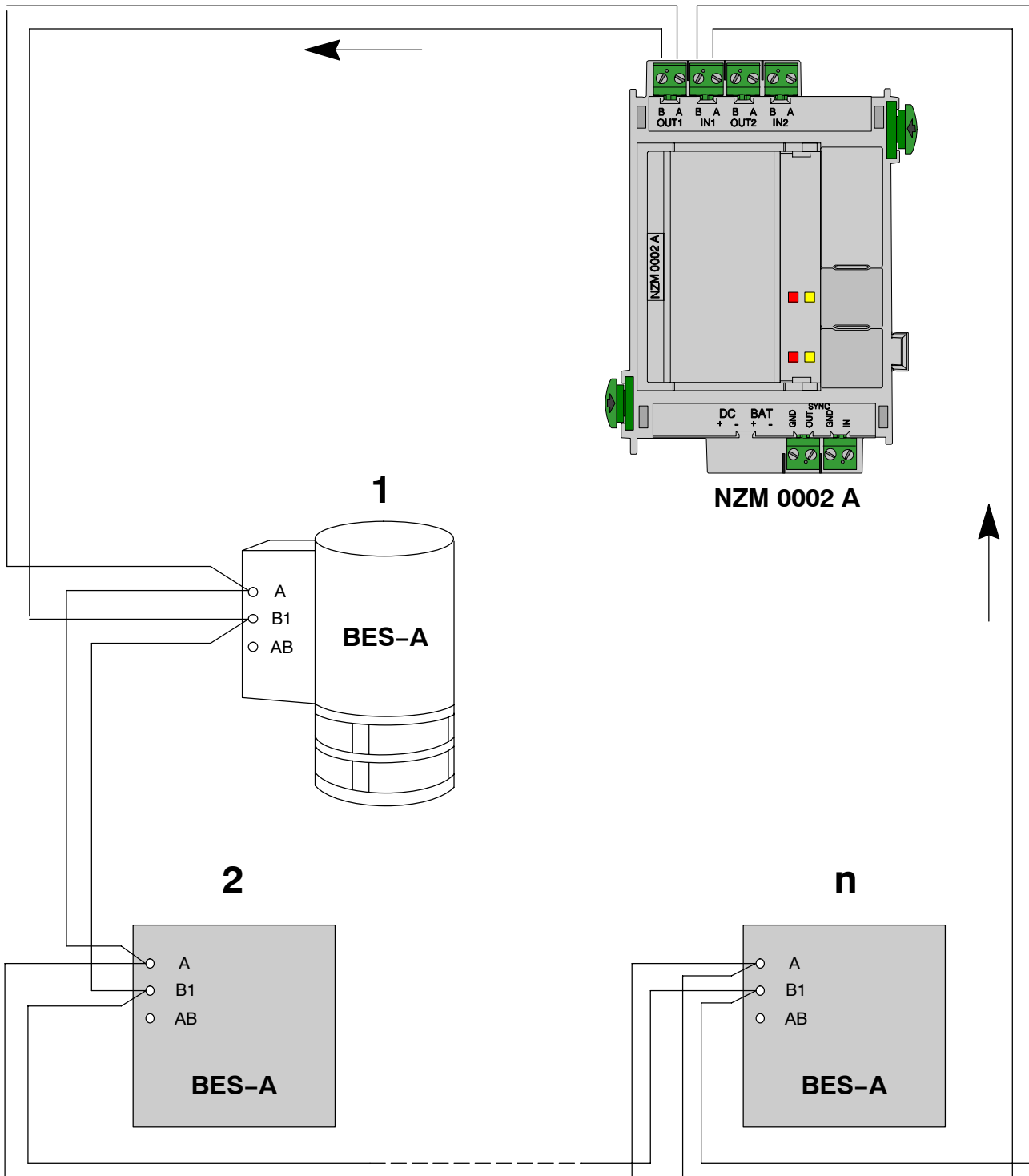


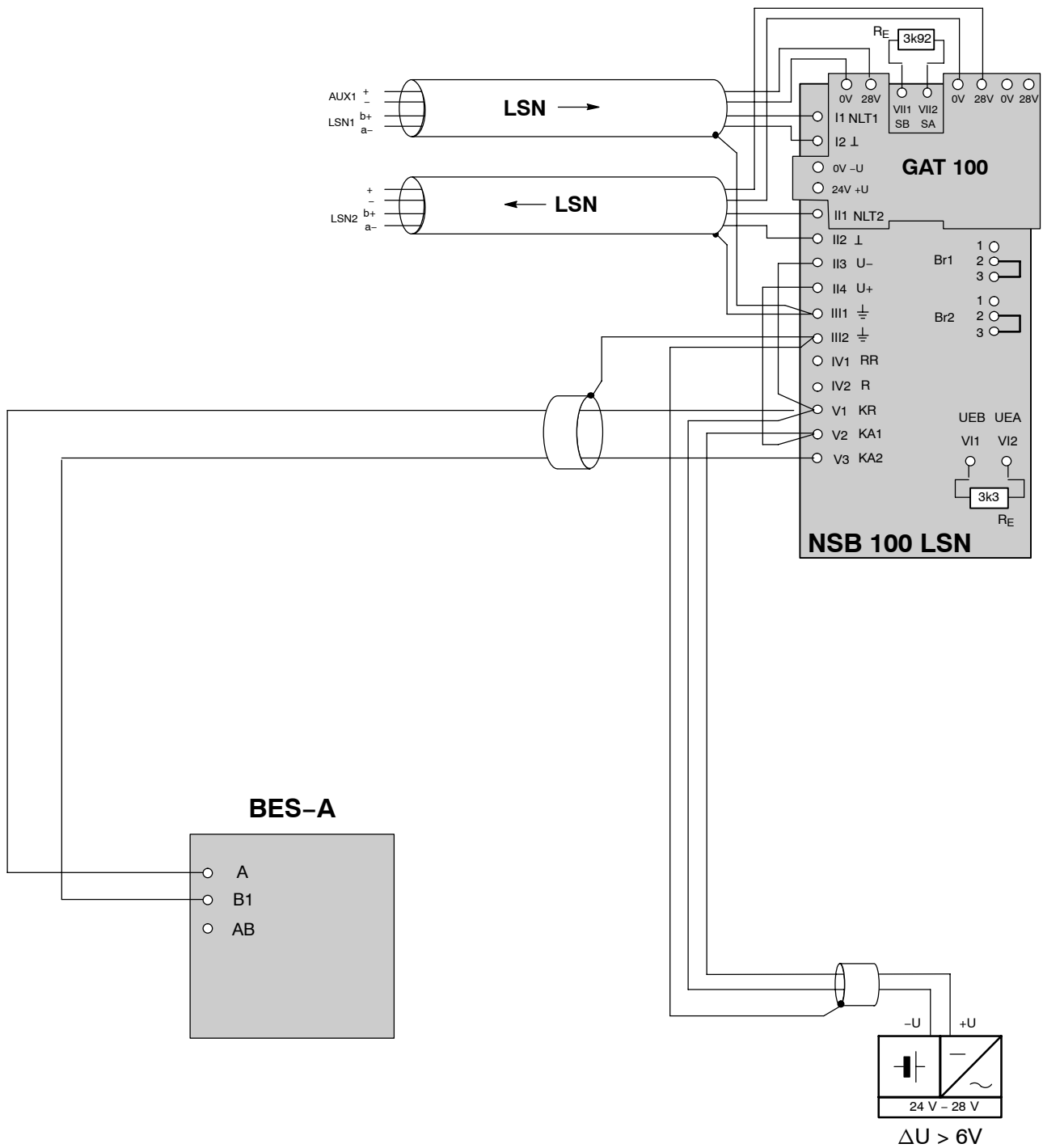
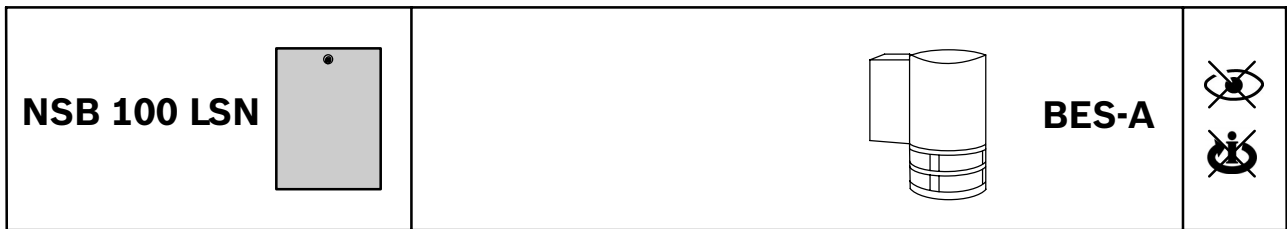


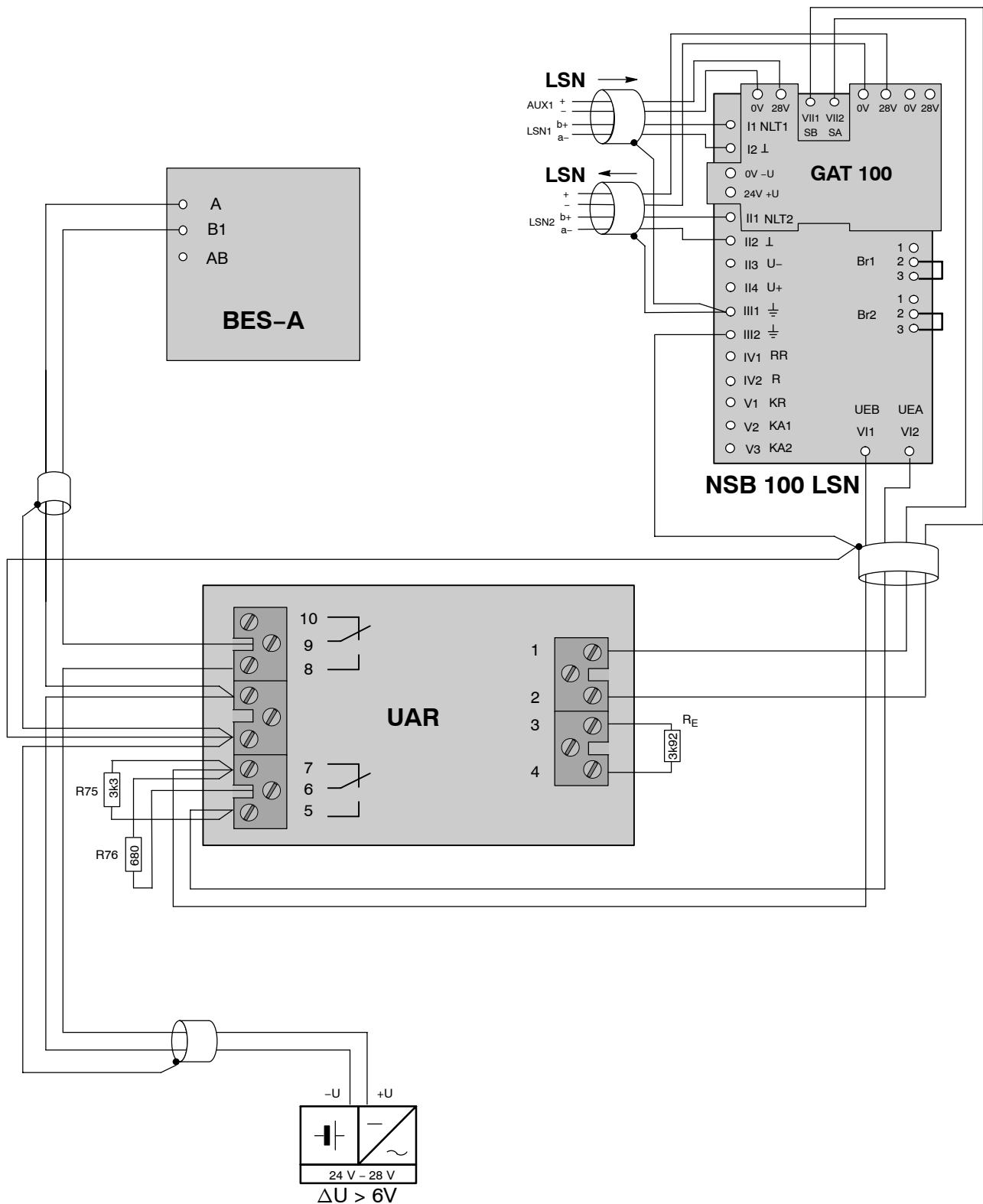
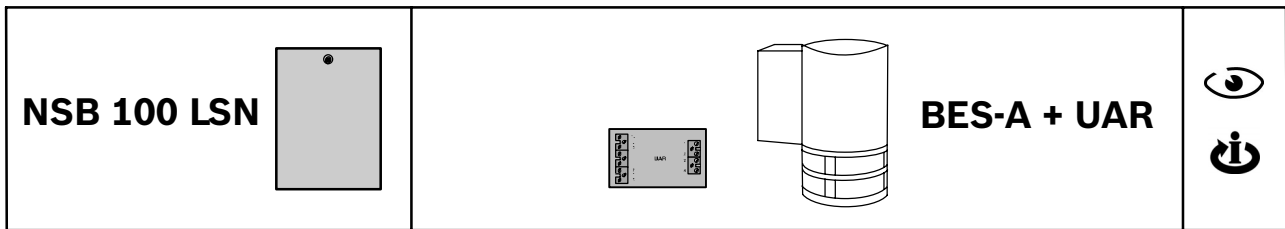




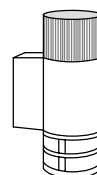
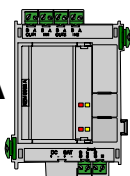
 NZM 0002 A	 BES-A	 
--	---	--



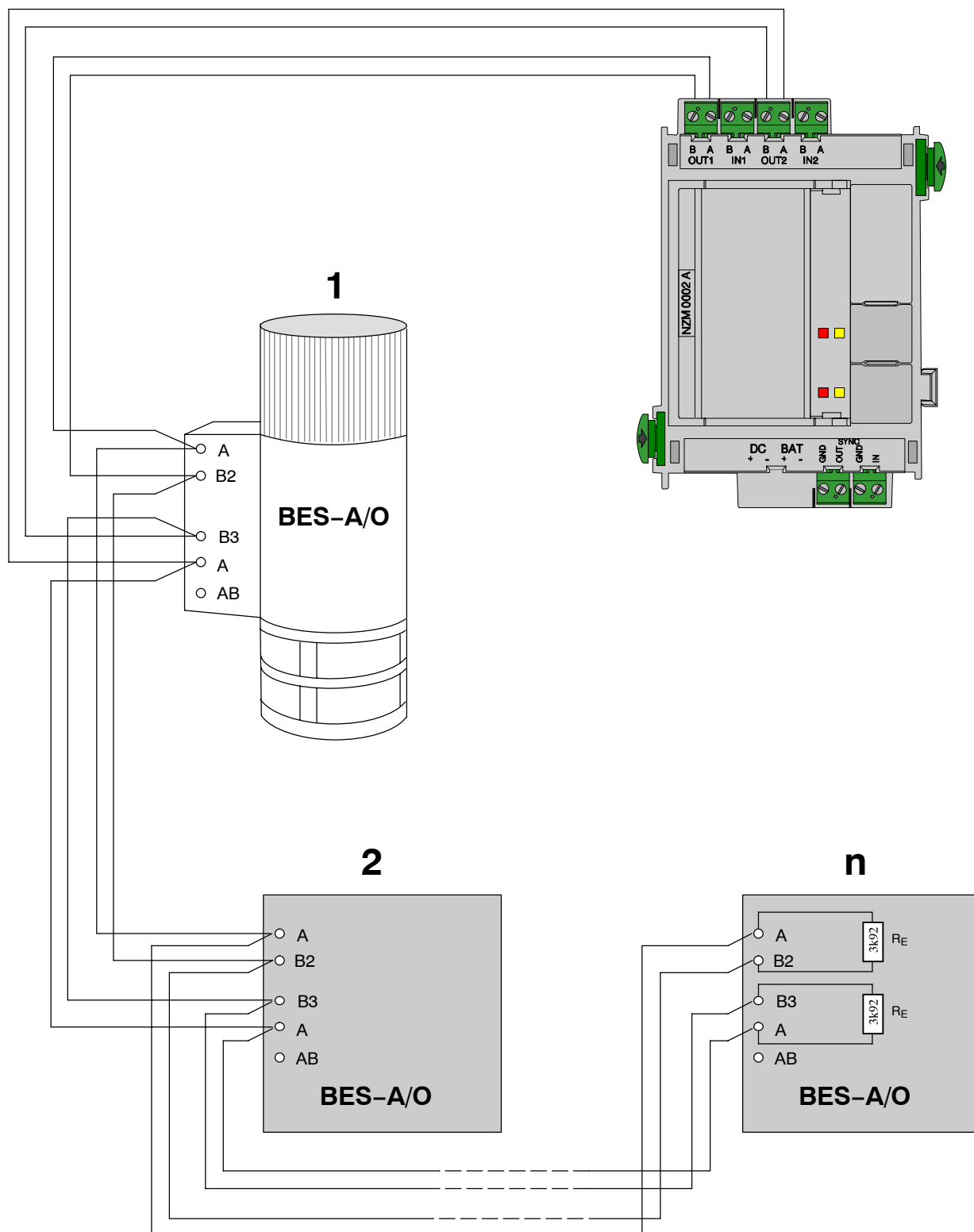




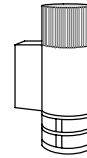
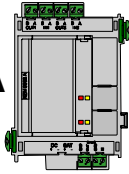
NZM 0002 A



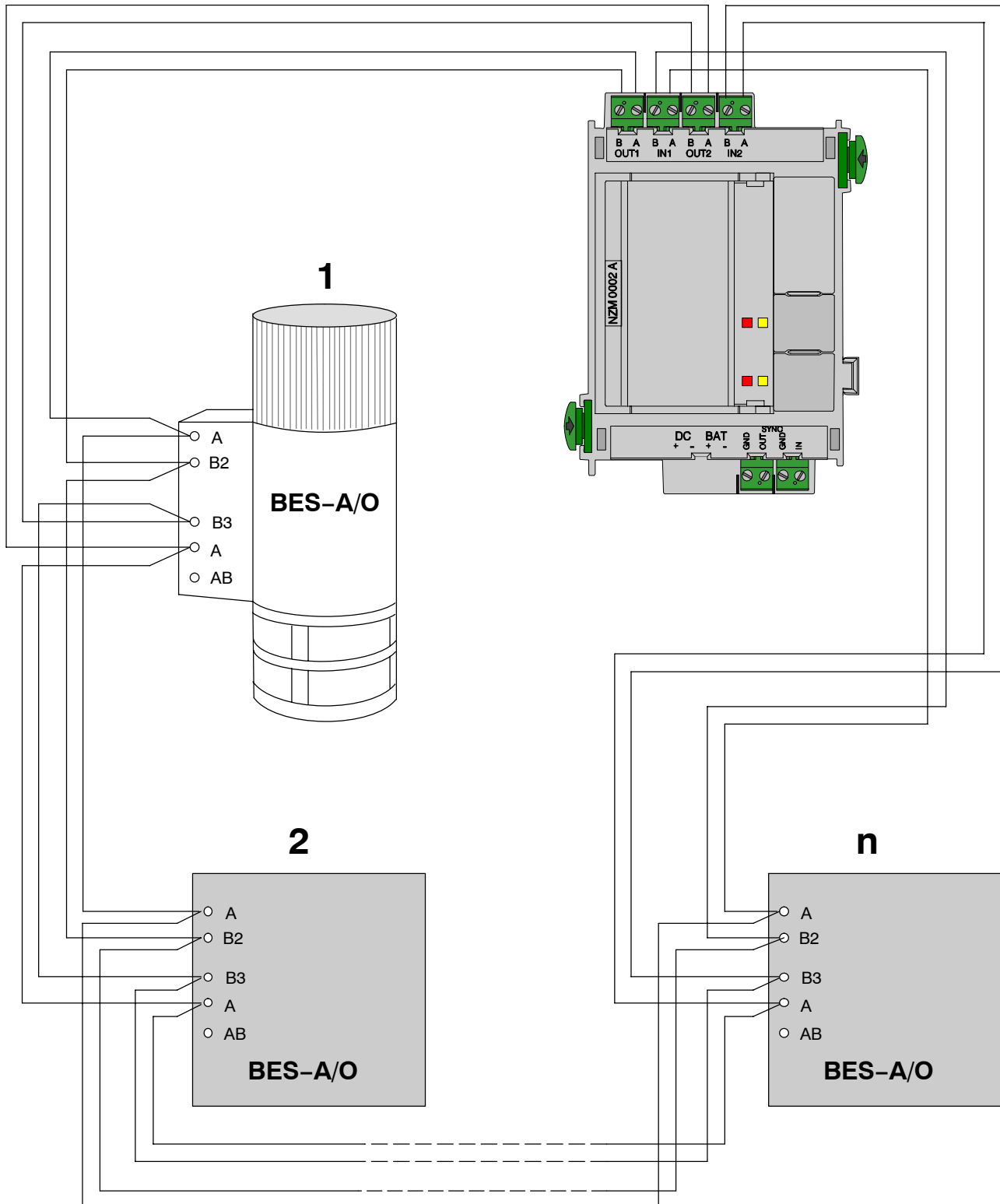
BES-A/O

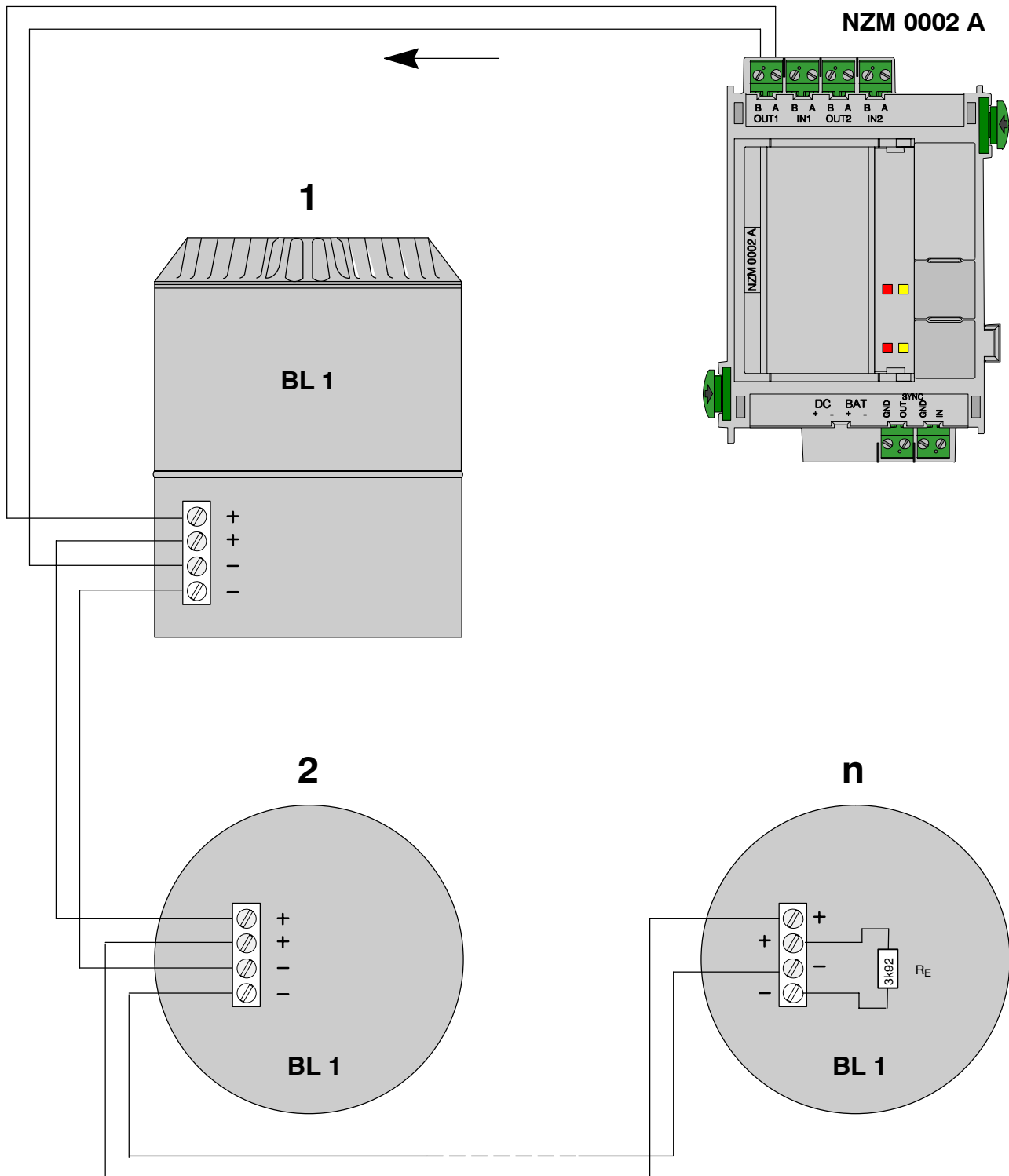
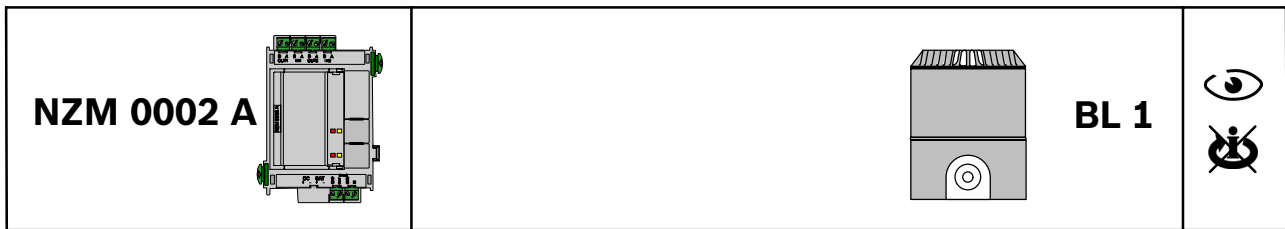


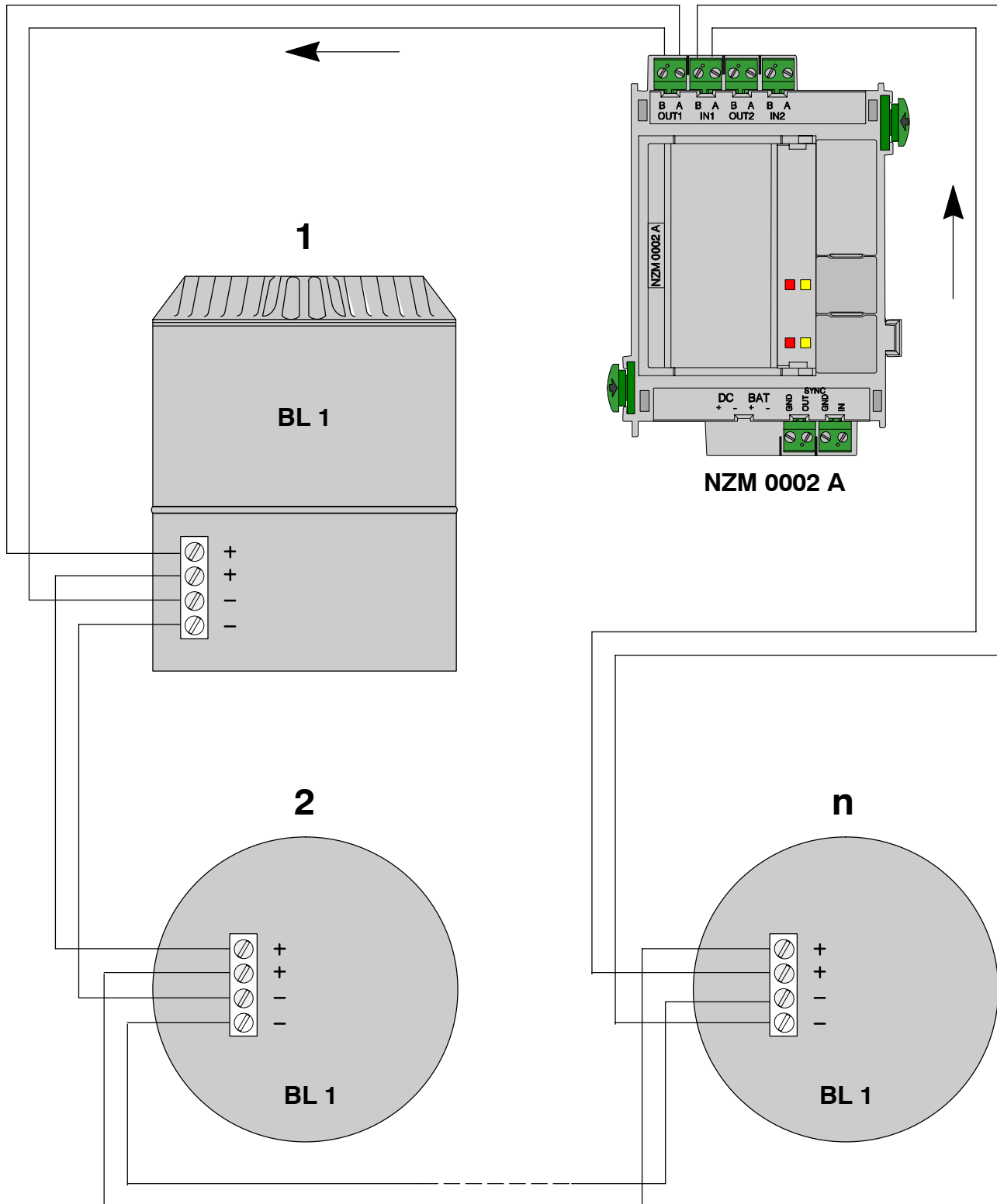
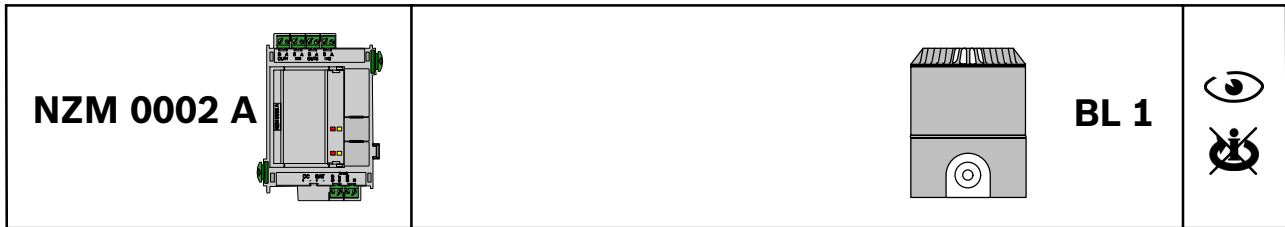
NZM 0002 A

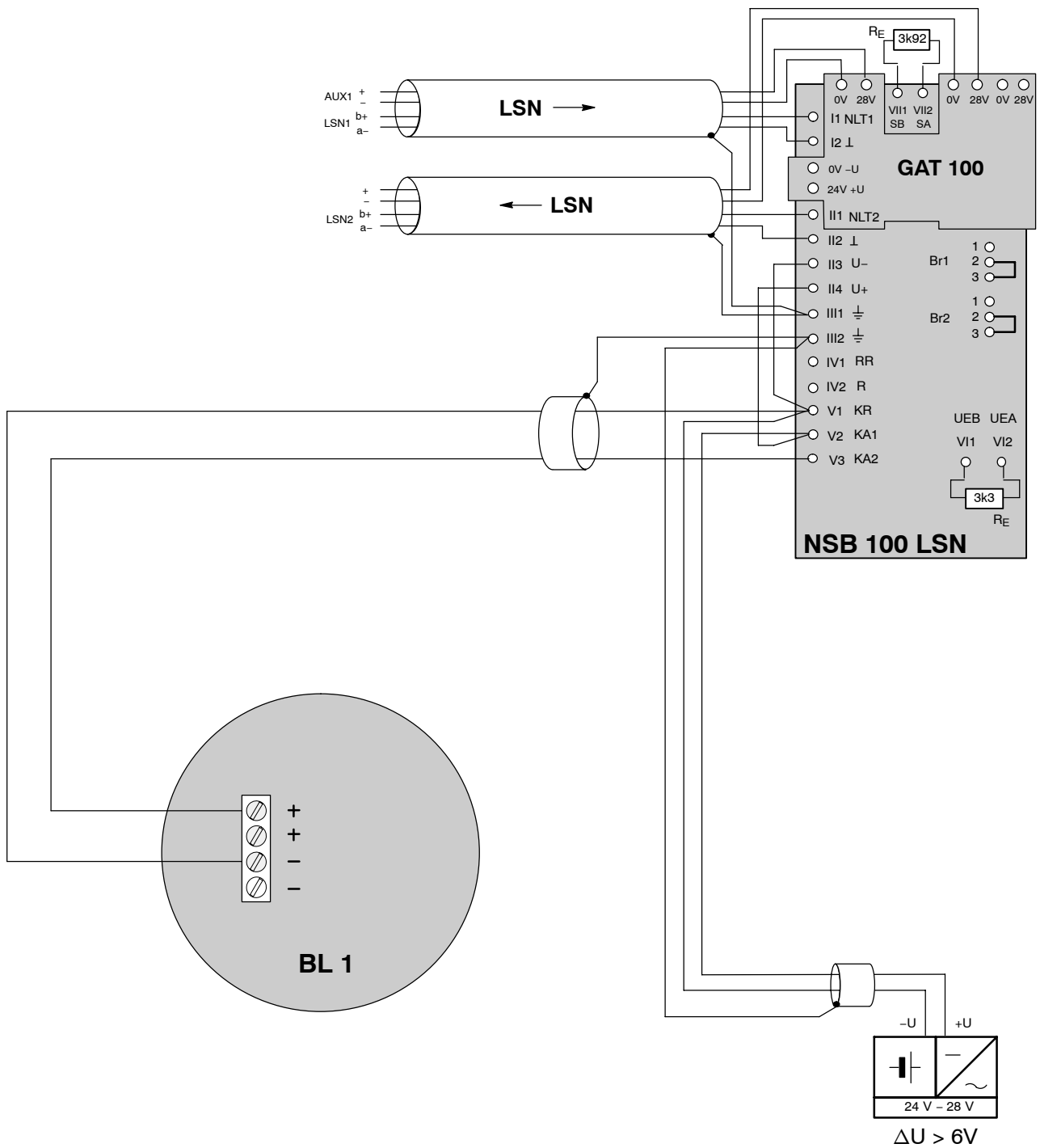
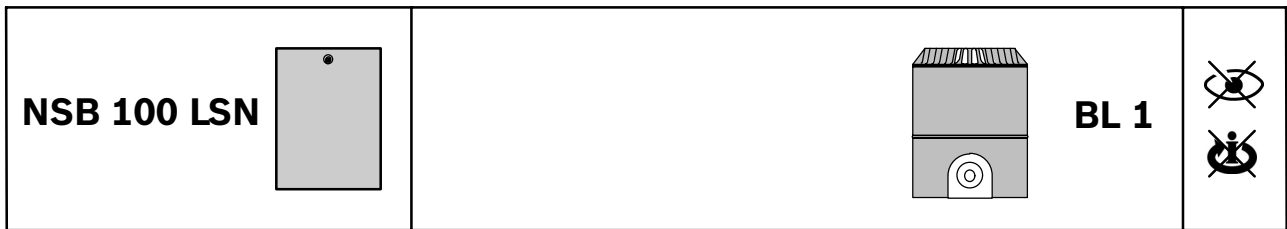


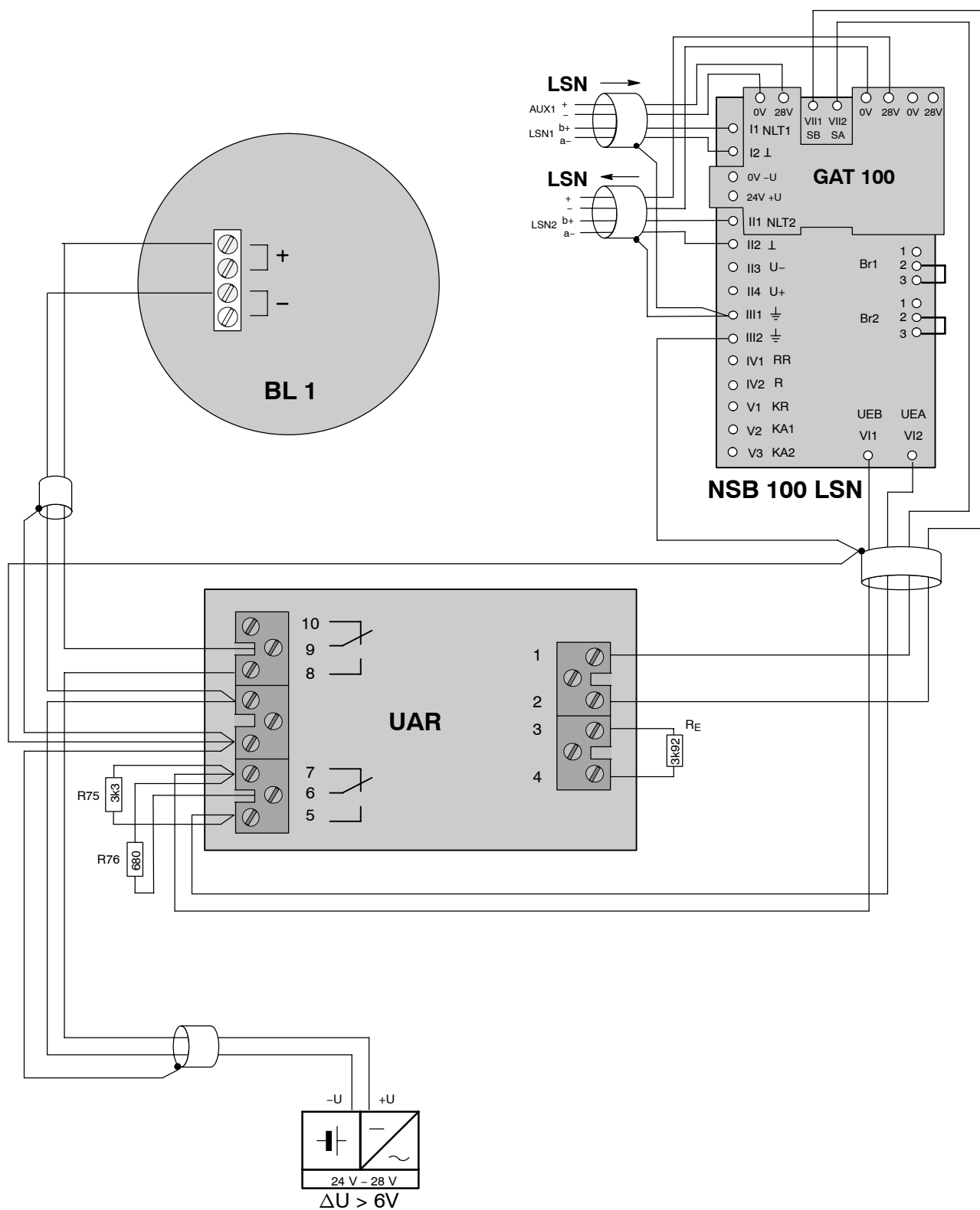
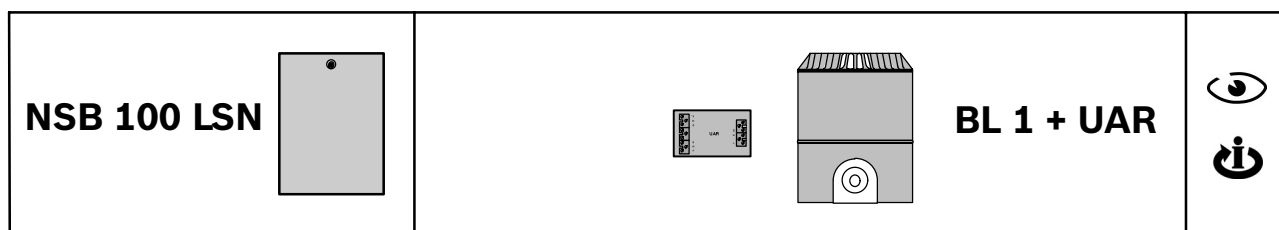
BES-A/O

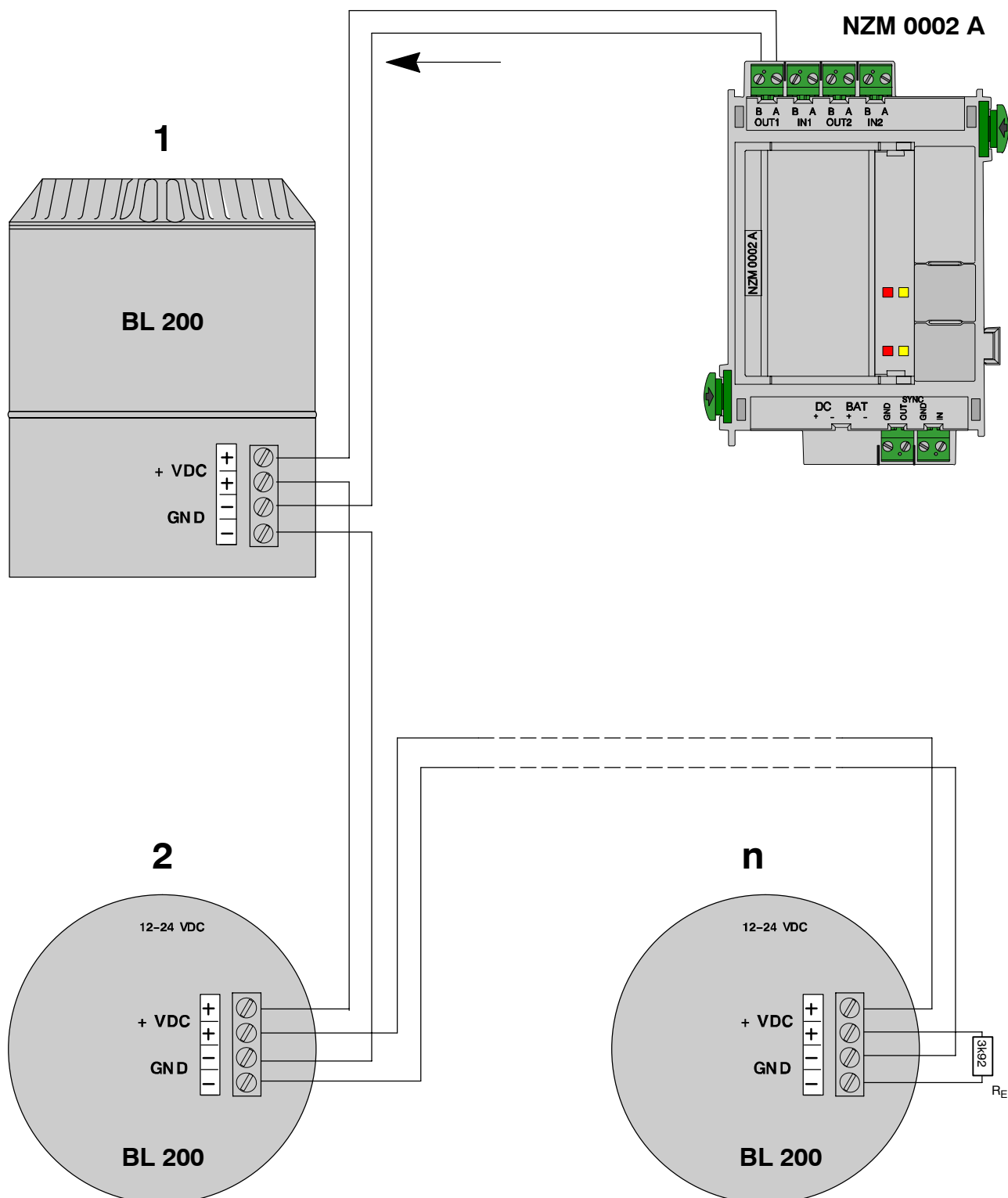


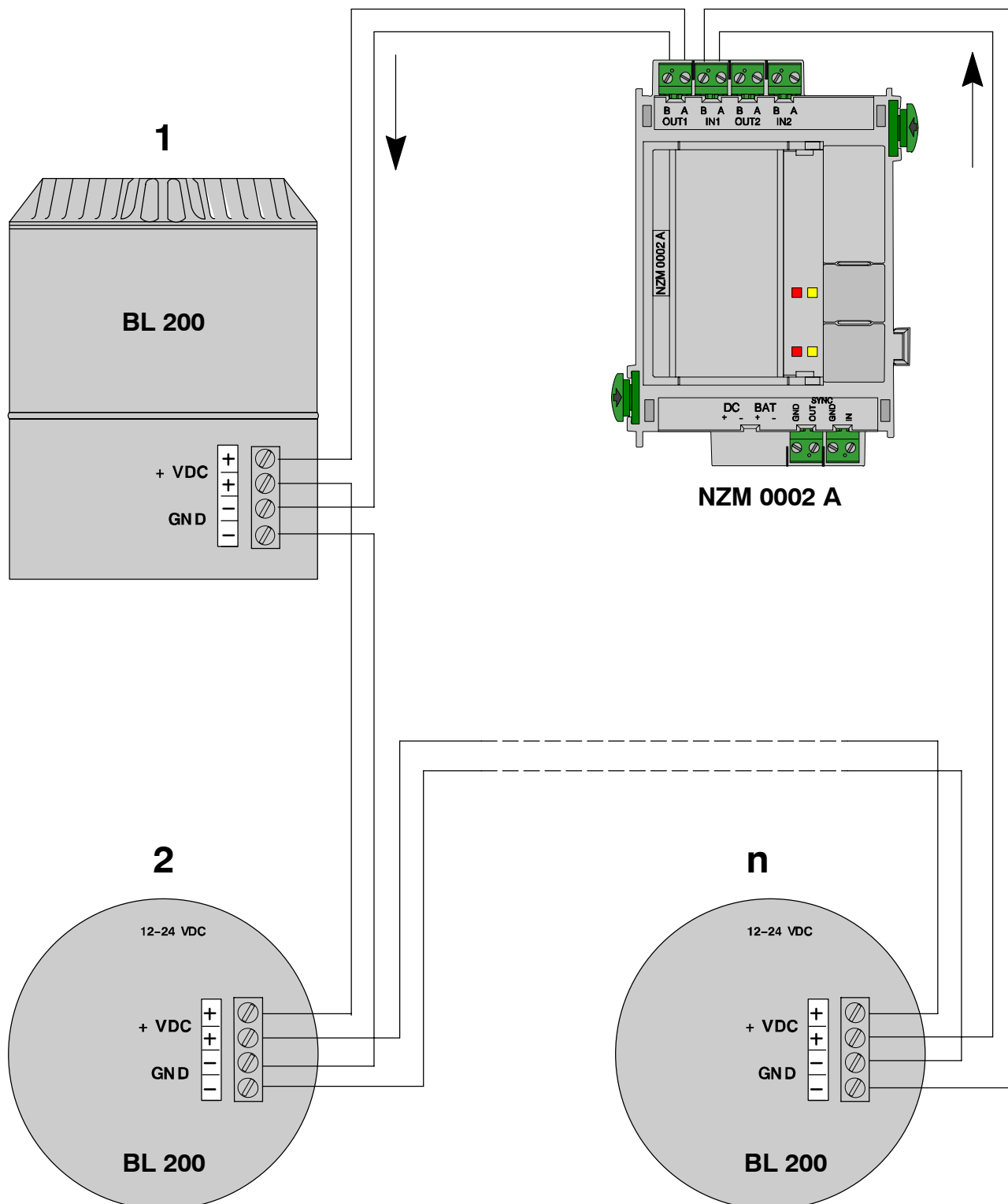


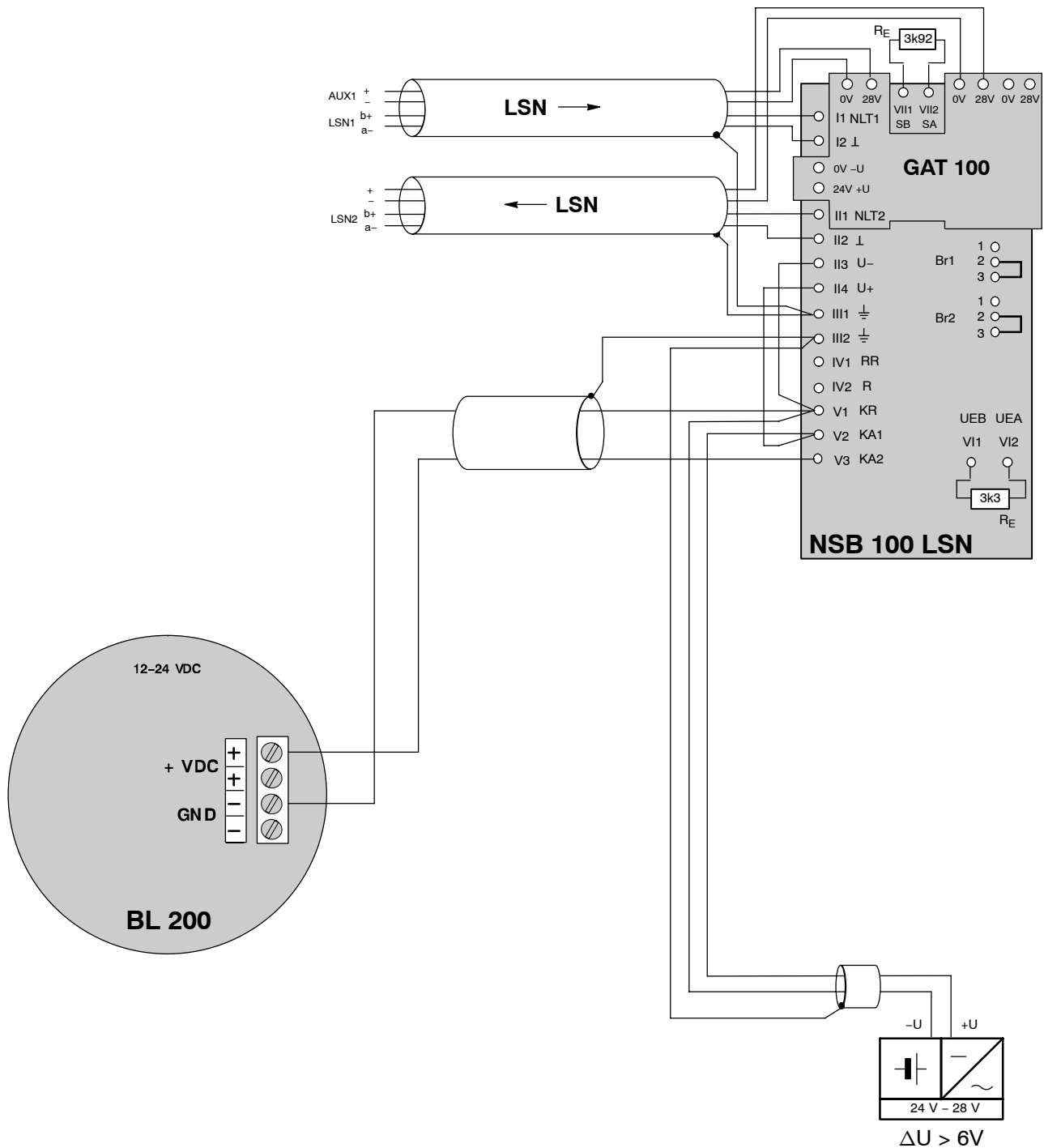
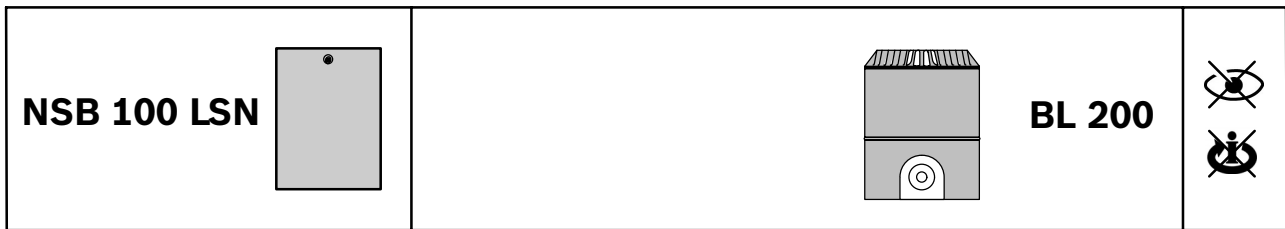


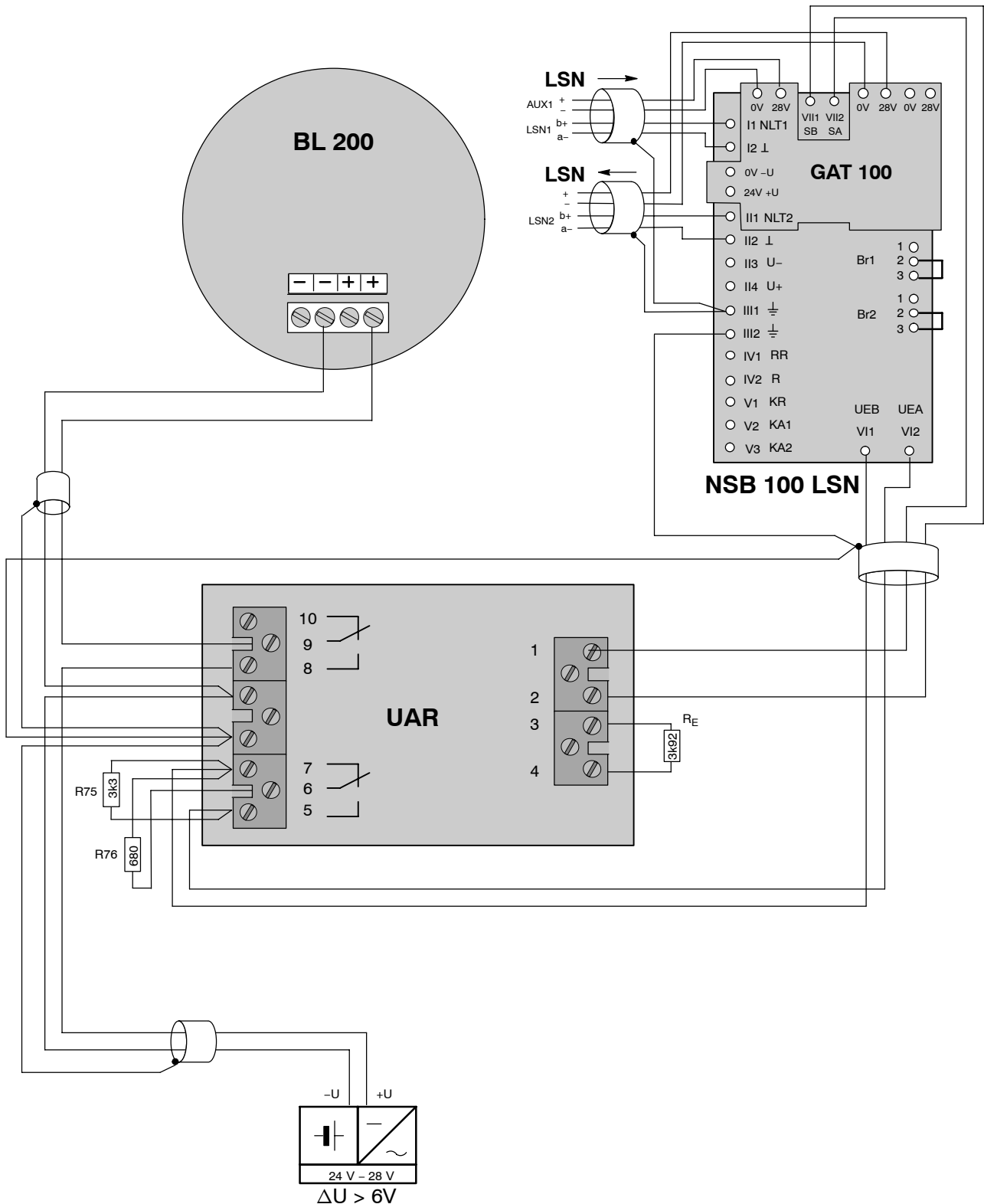
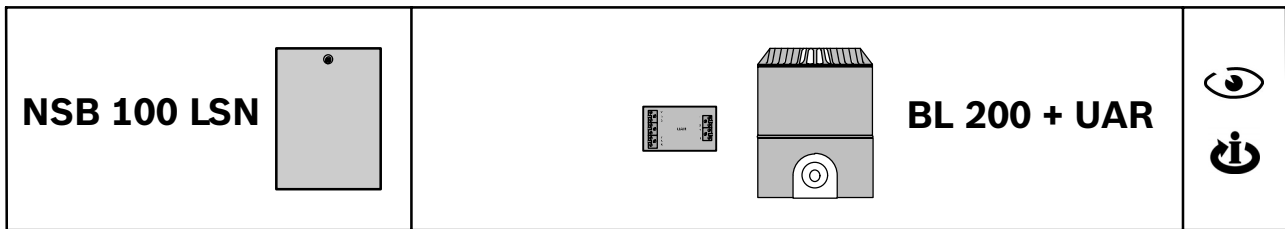


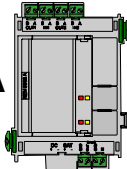
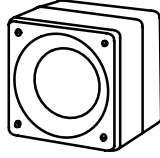


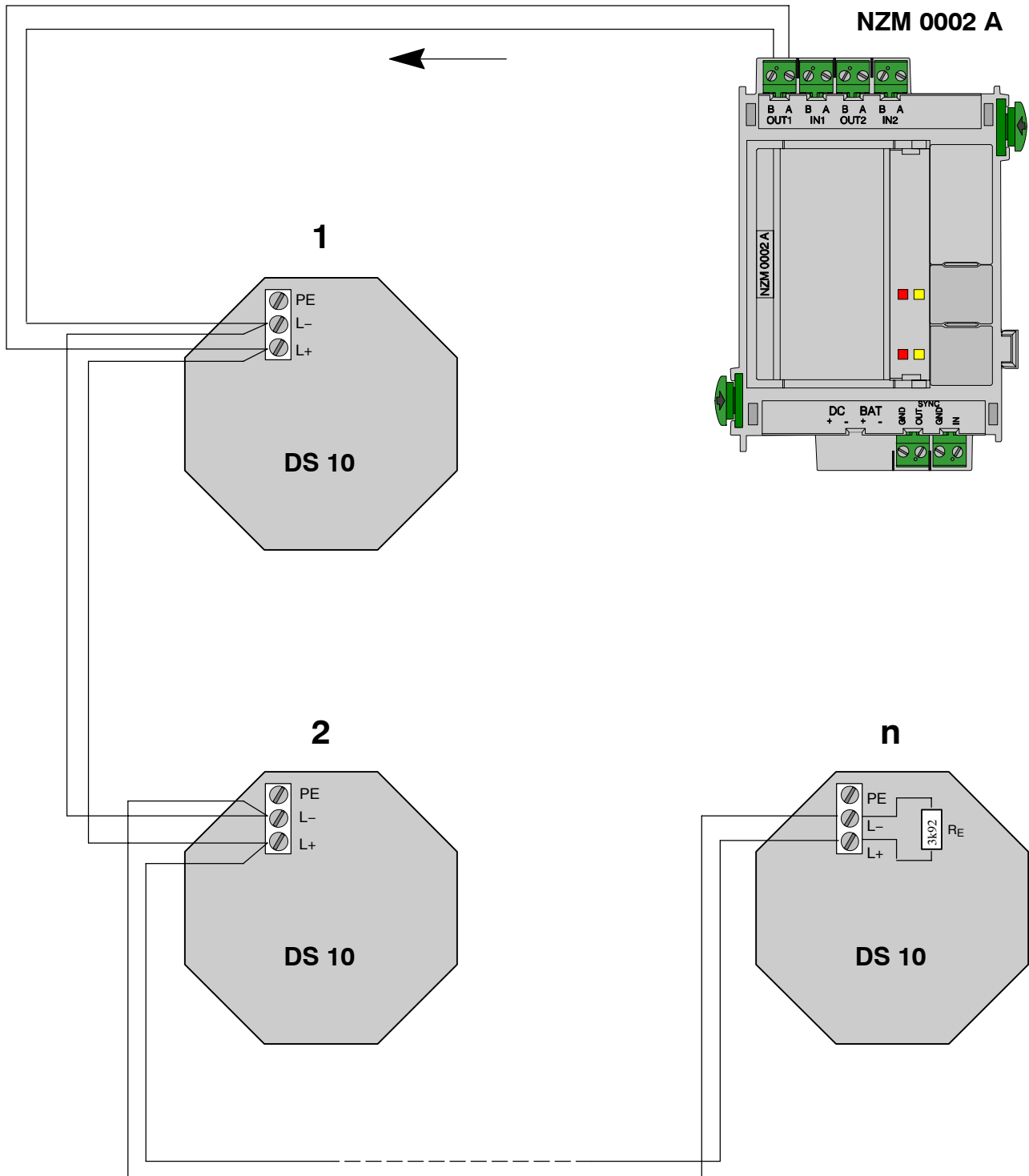




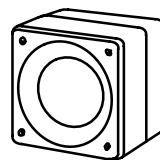
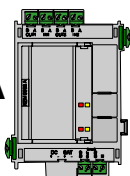




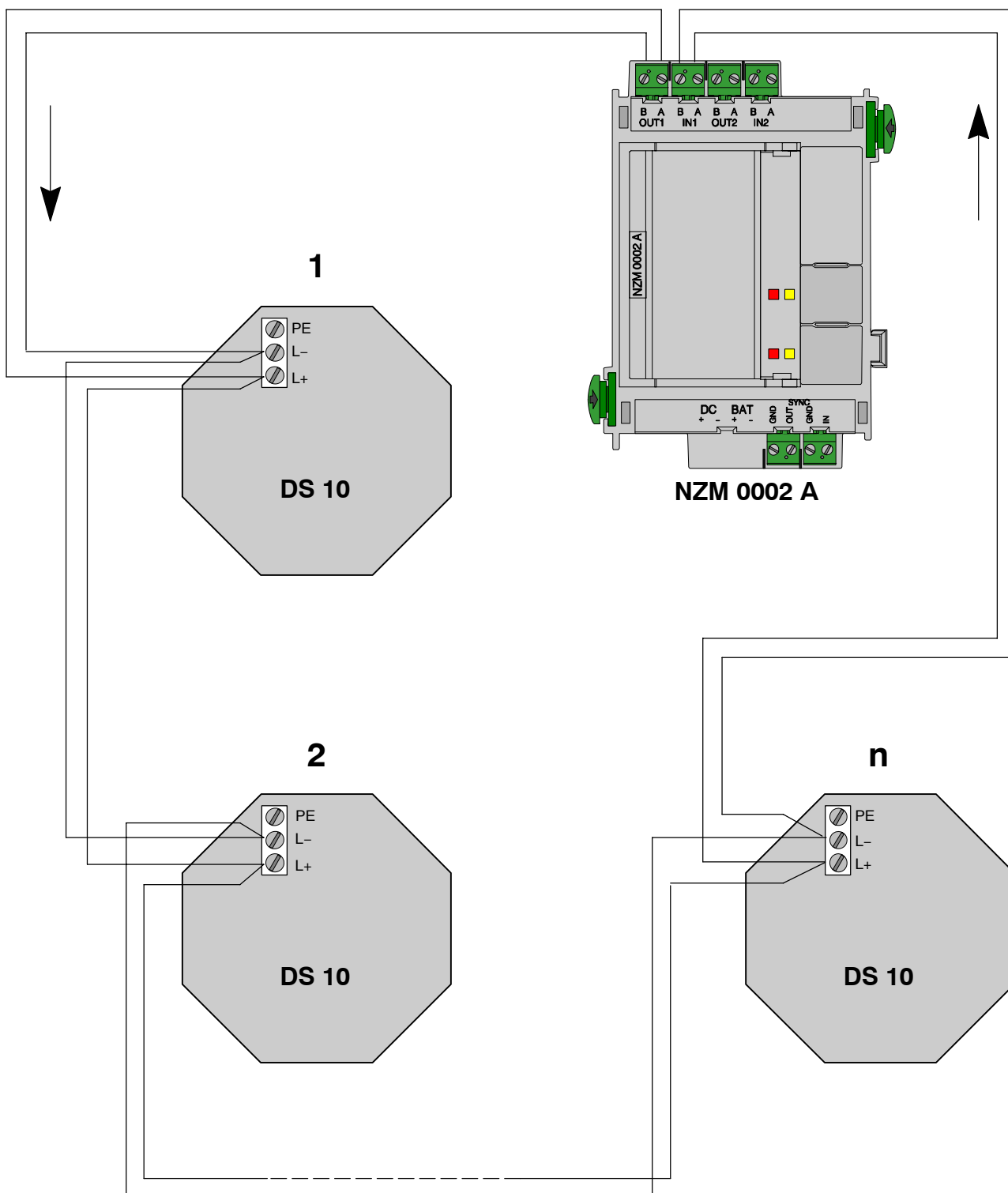
 NZM 0002 A	 DS 10	 
--	--	--

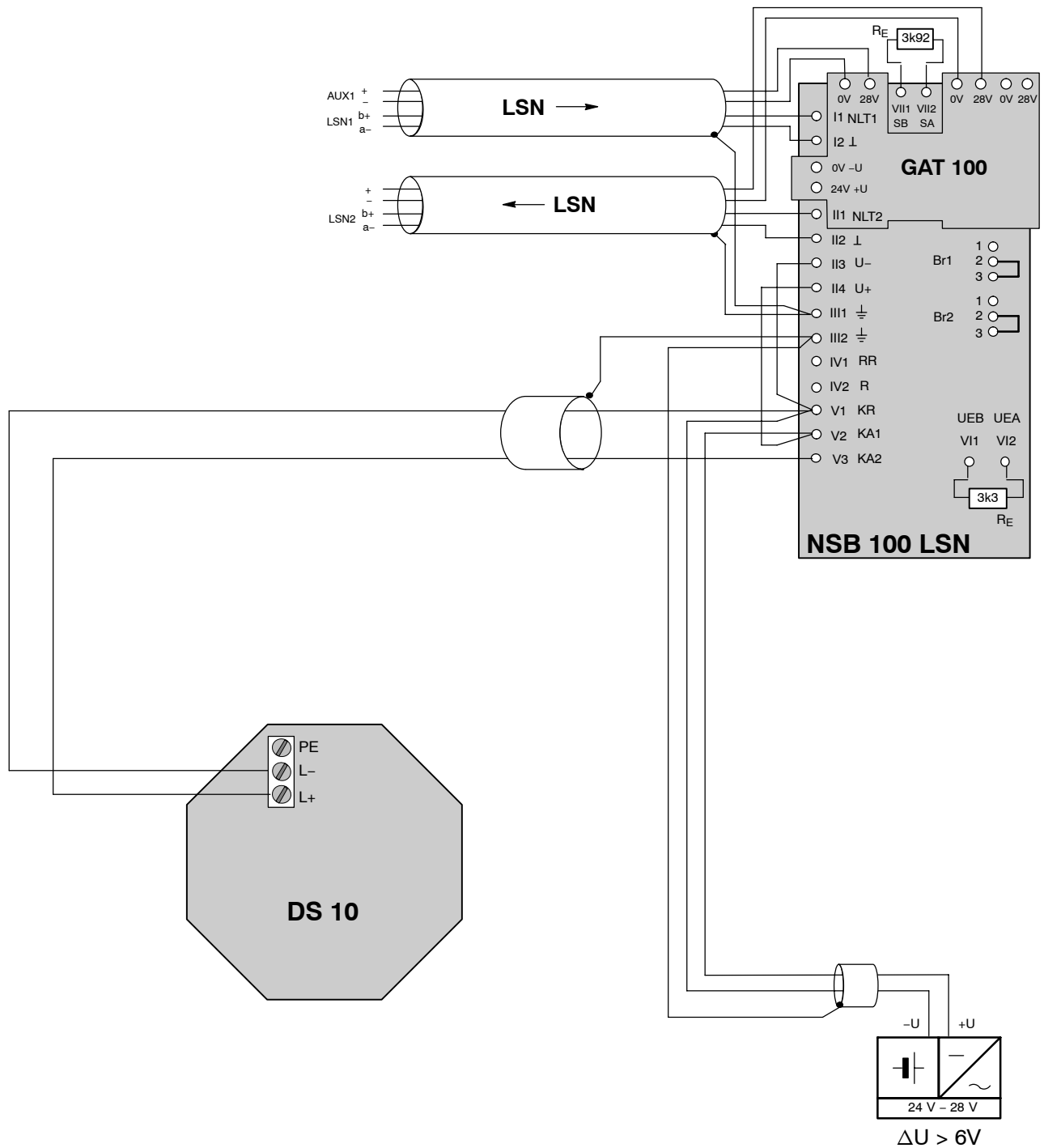
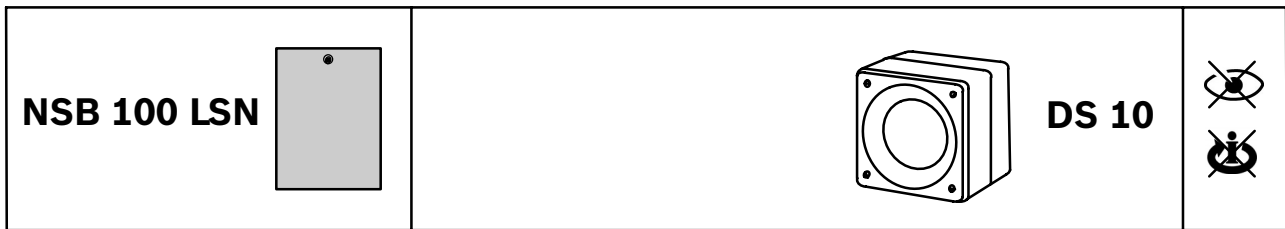


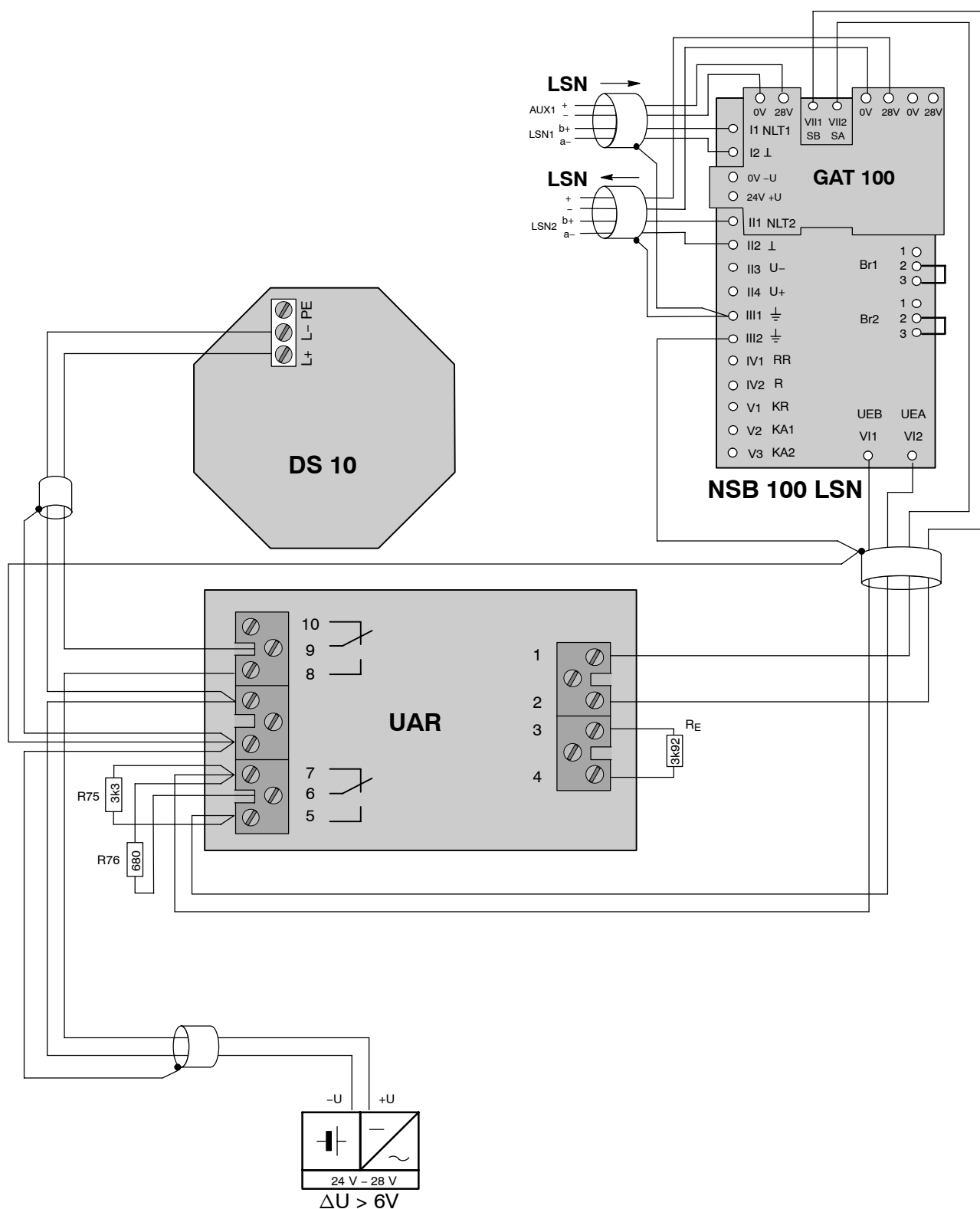
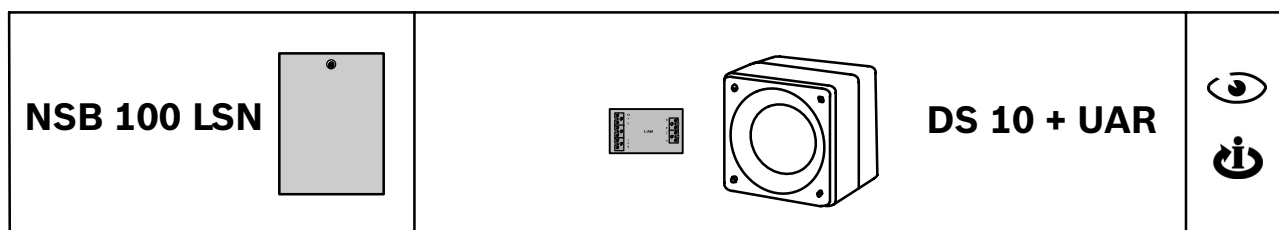
NZM 0002 A

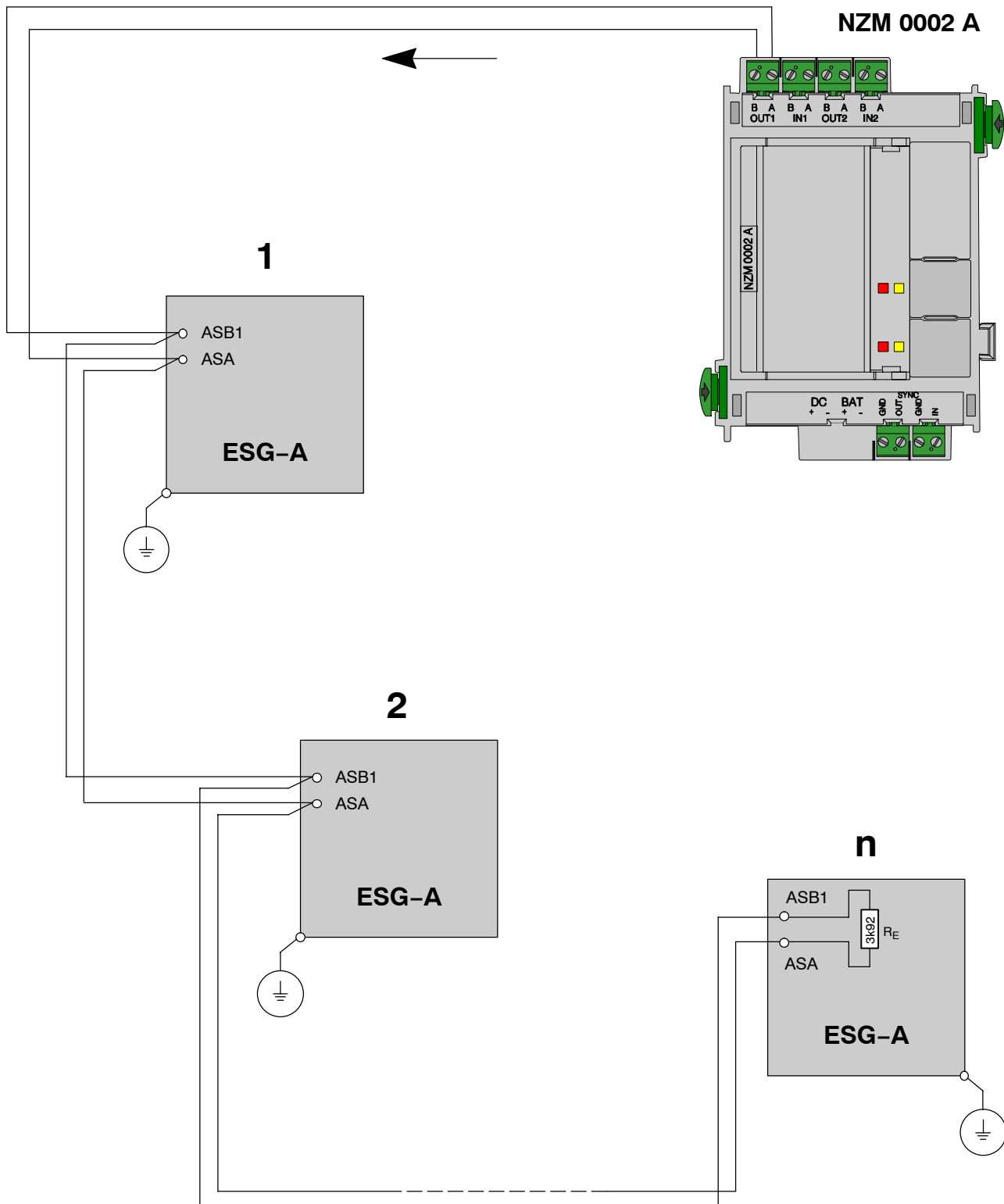
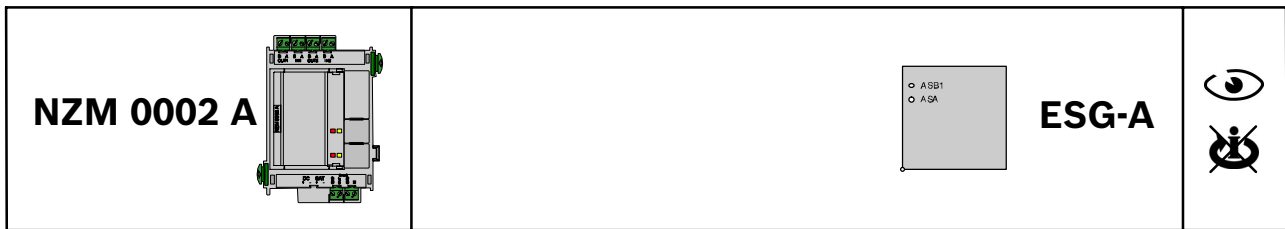


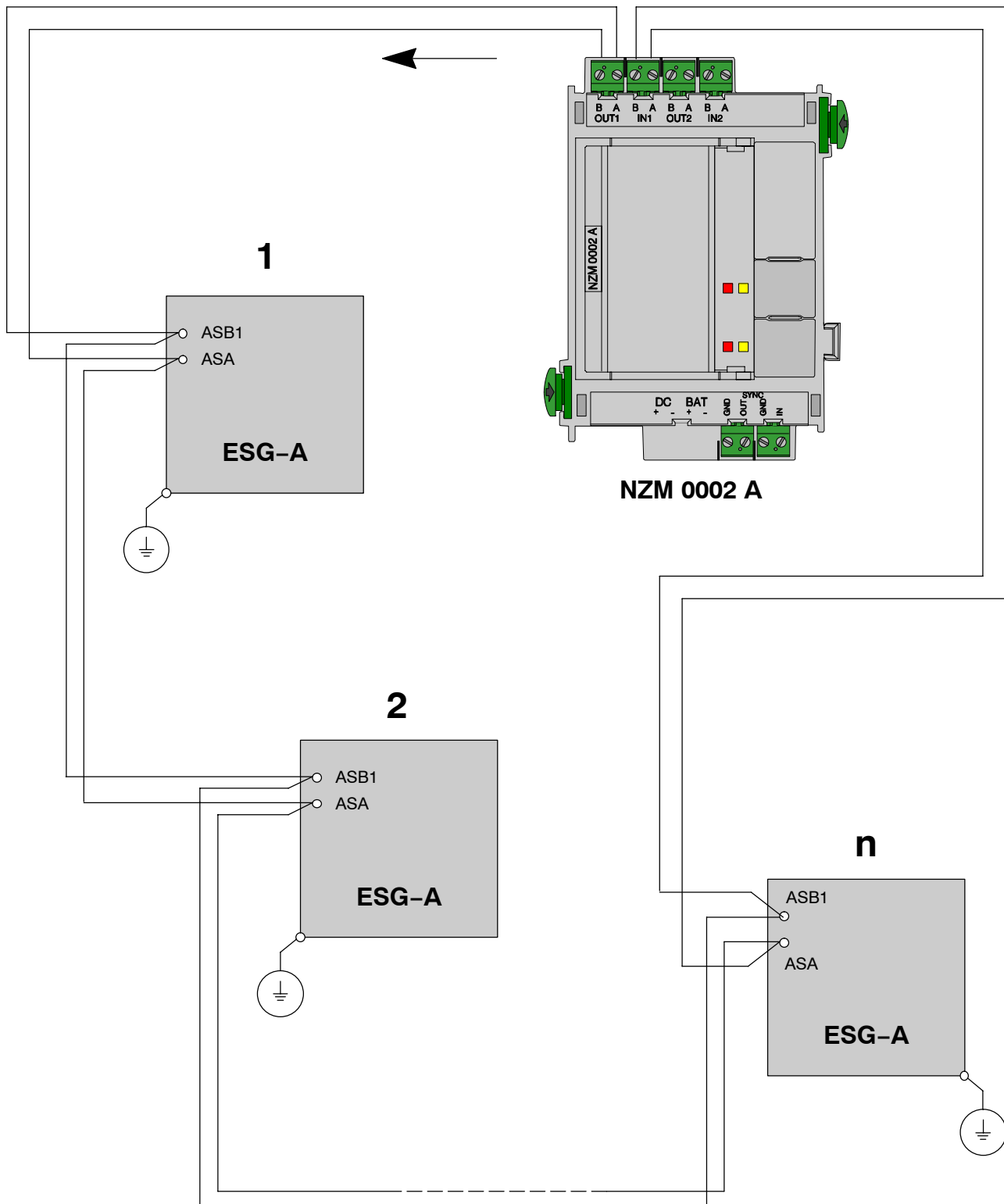
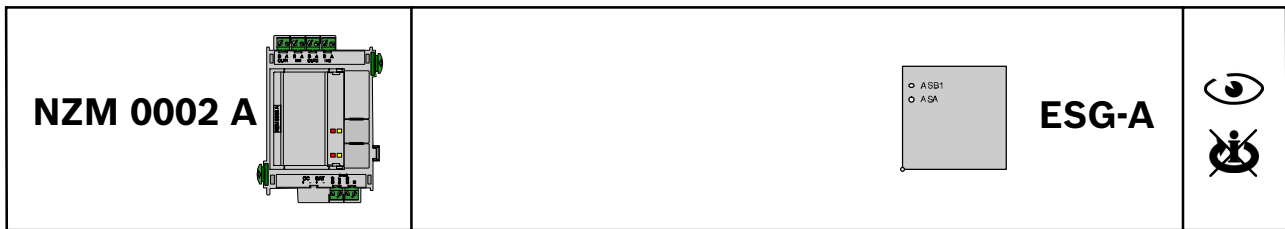
DS 10

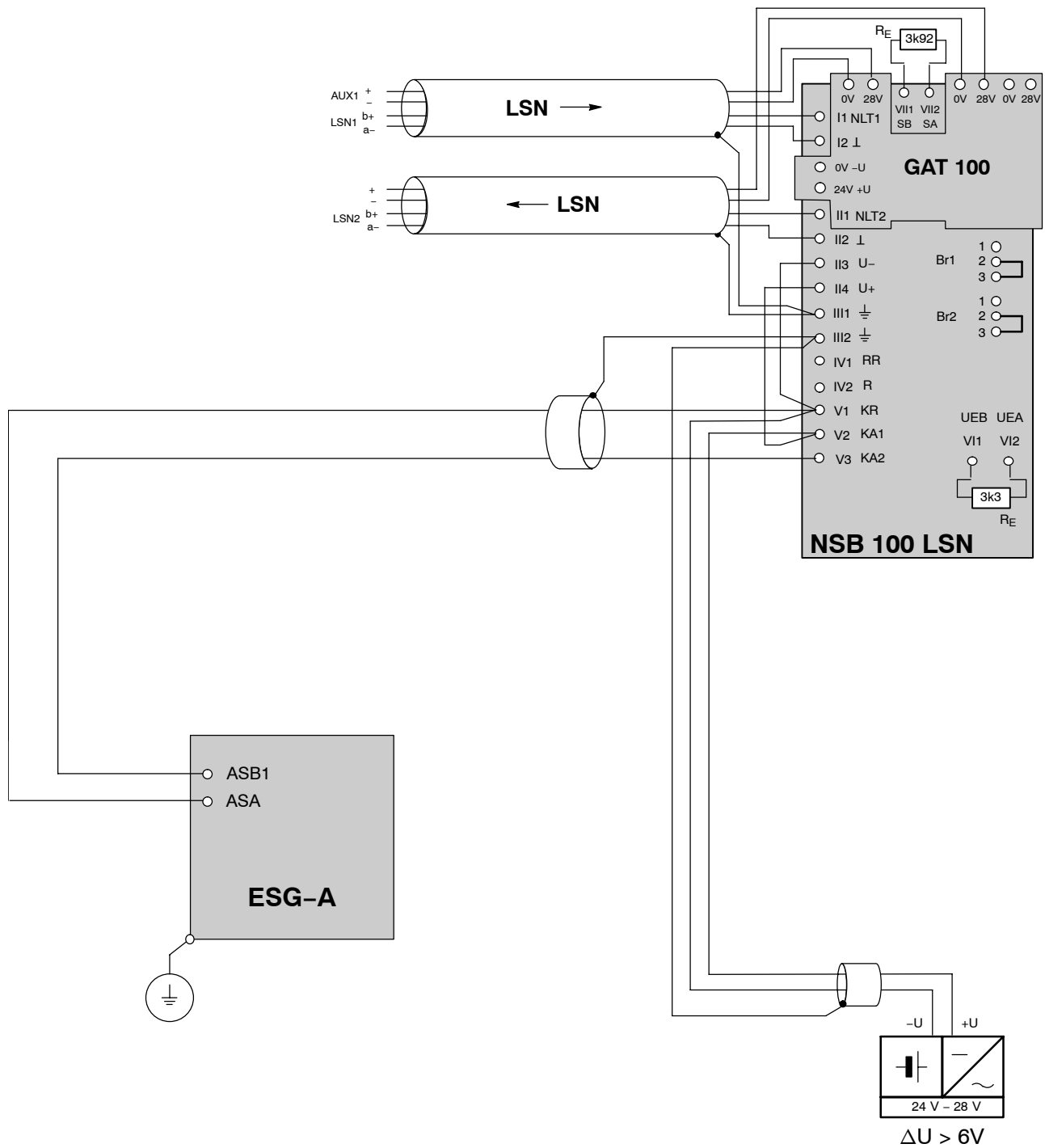
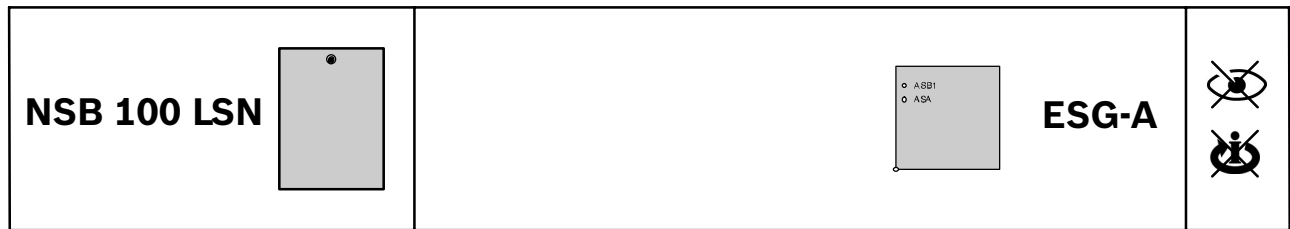


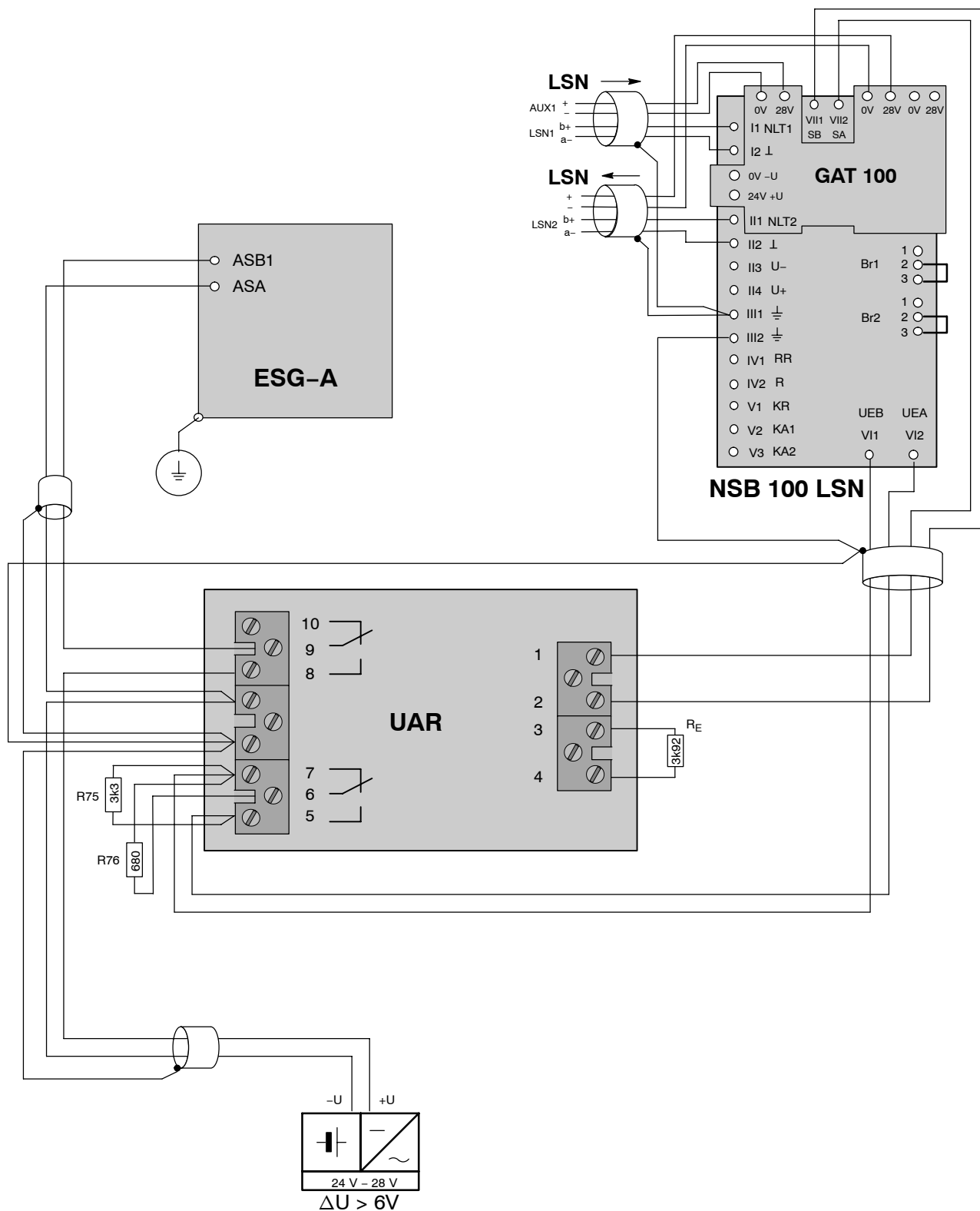
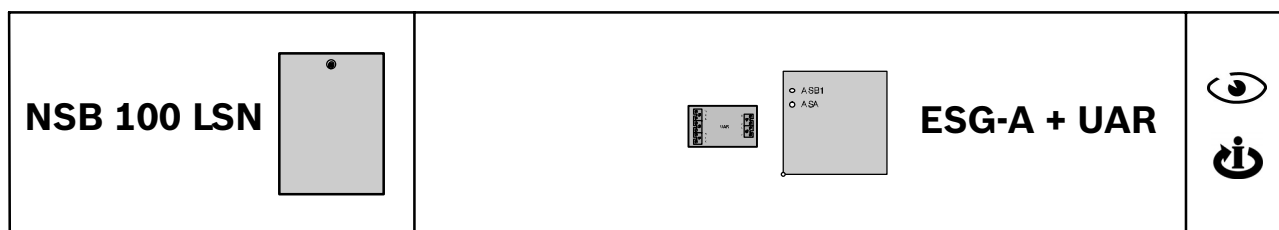


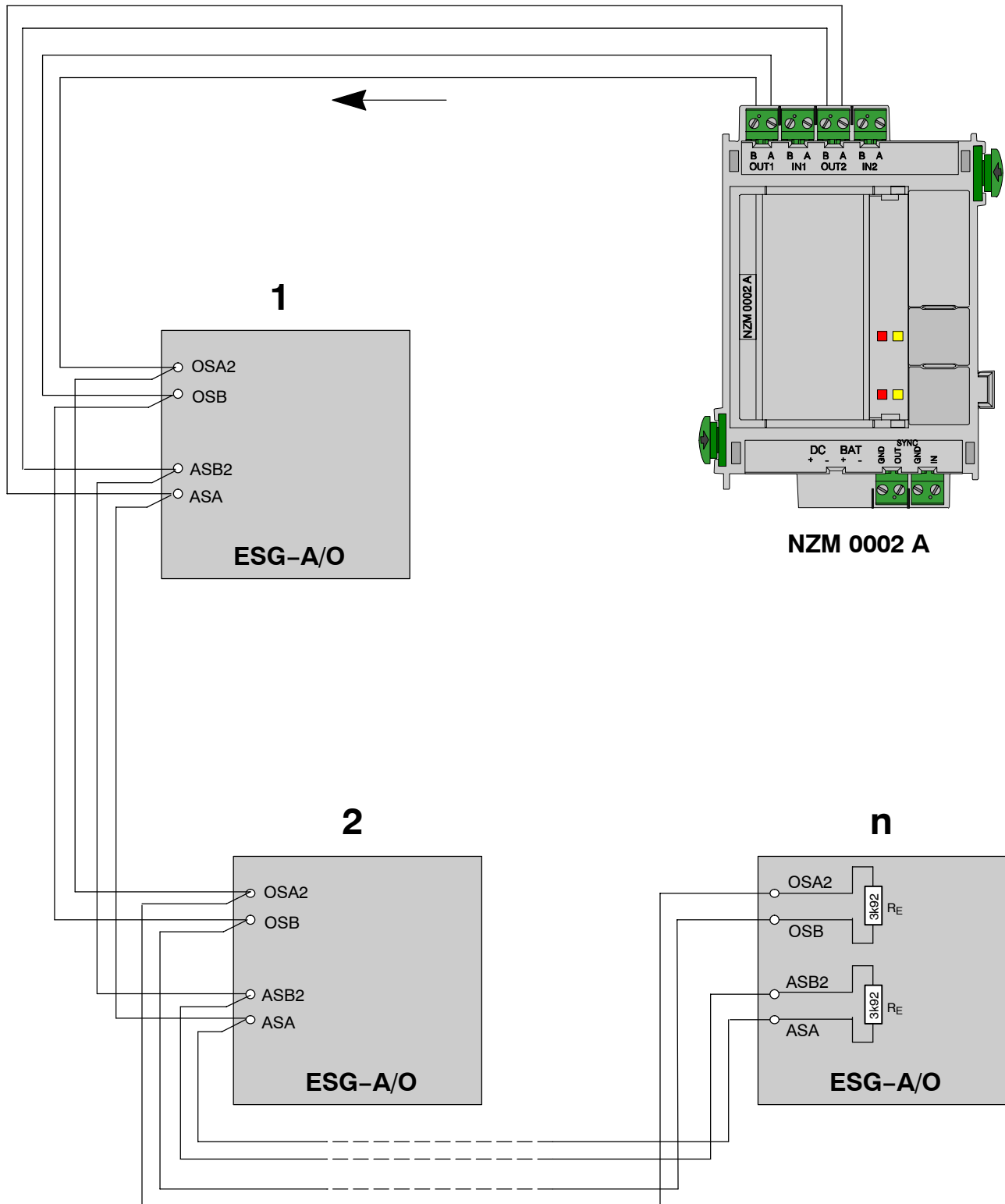
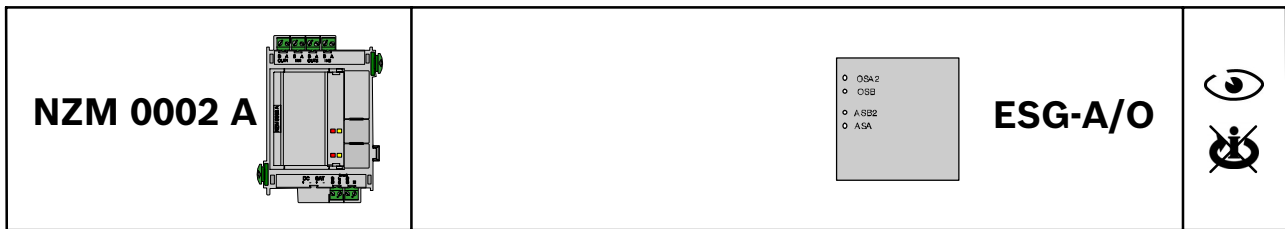


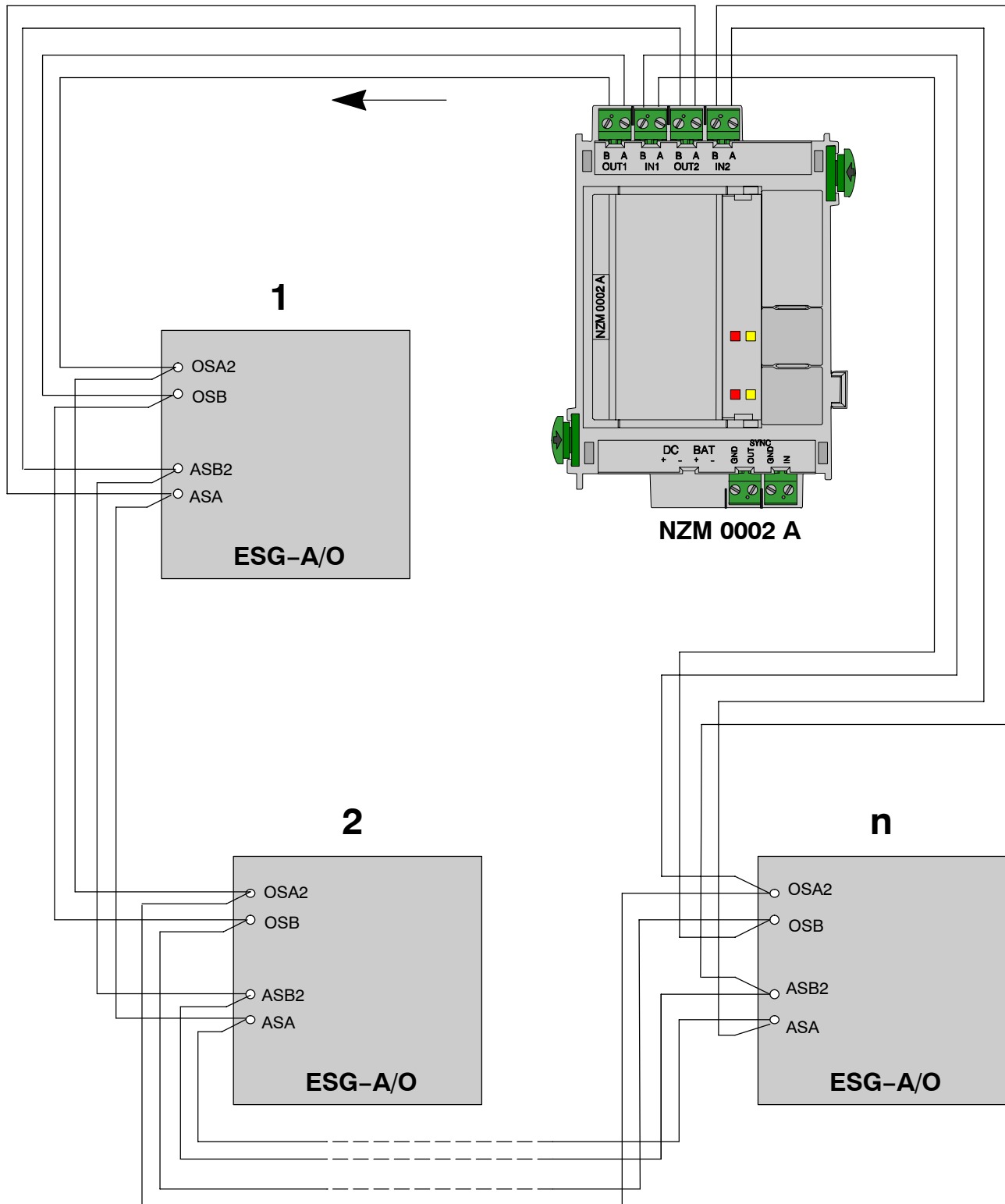
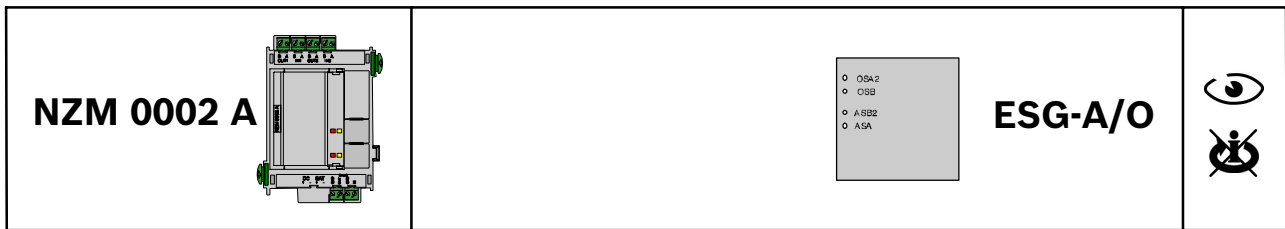




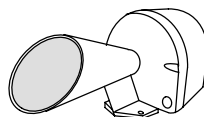
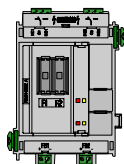




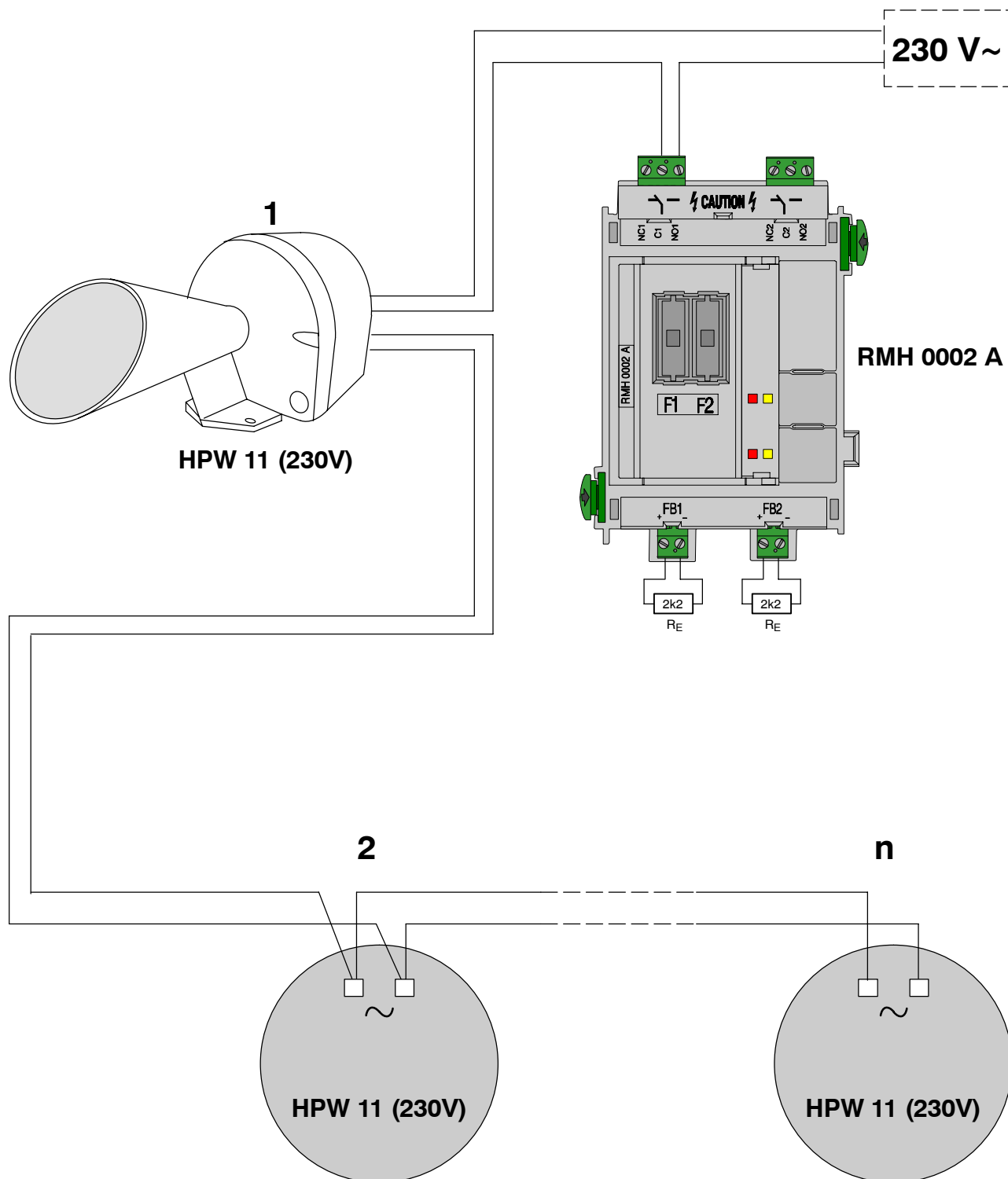


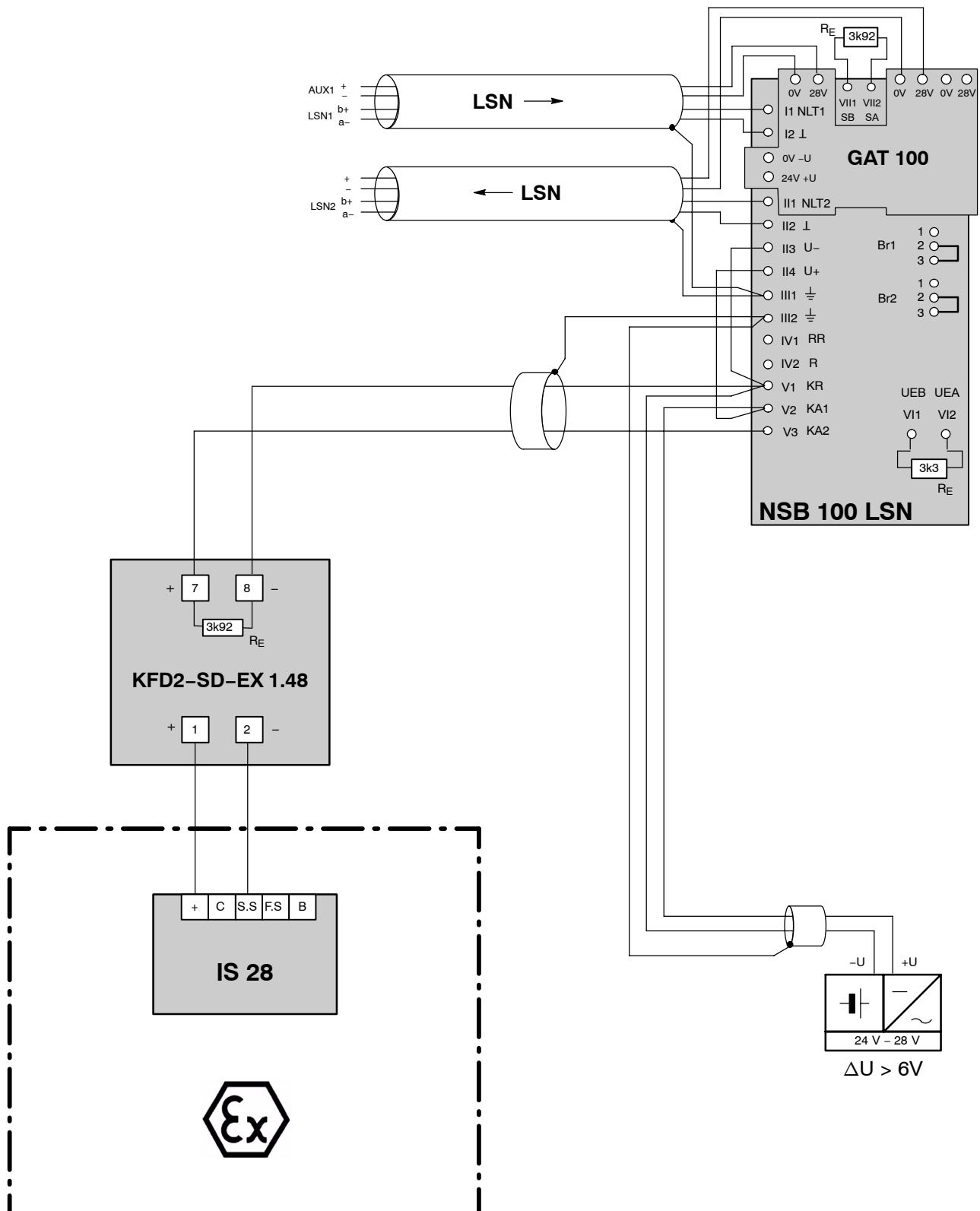
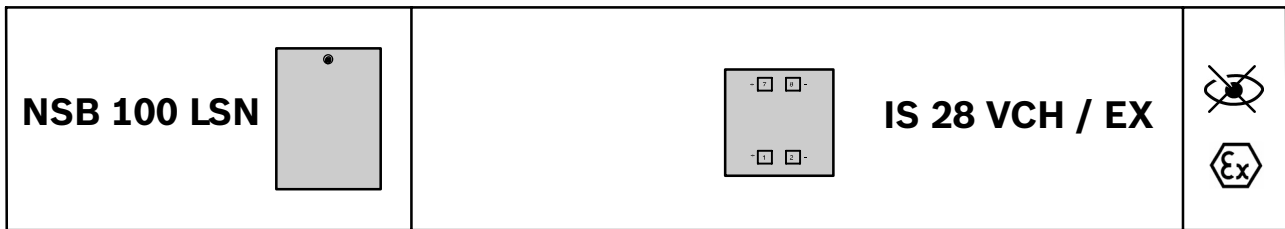


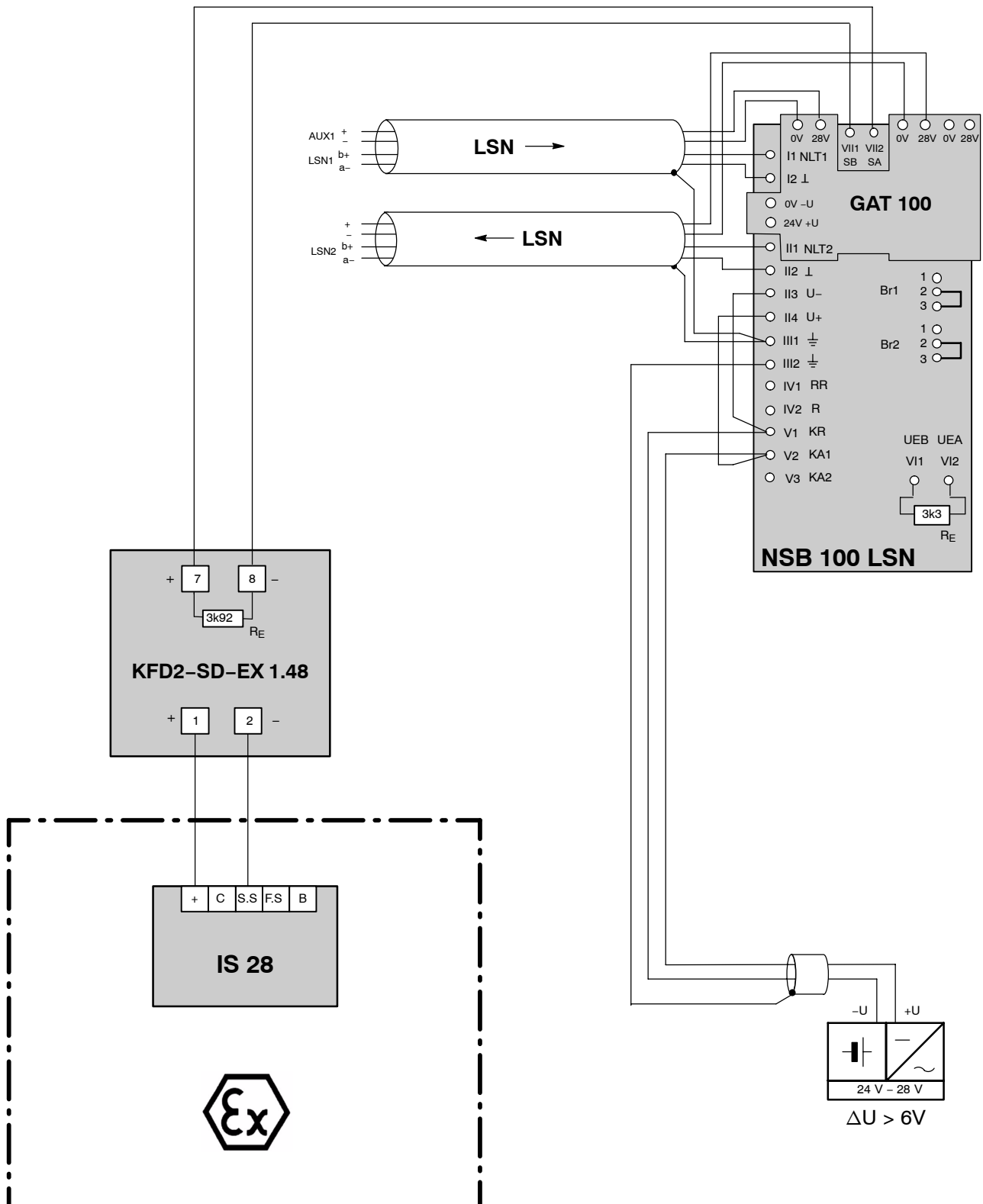
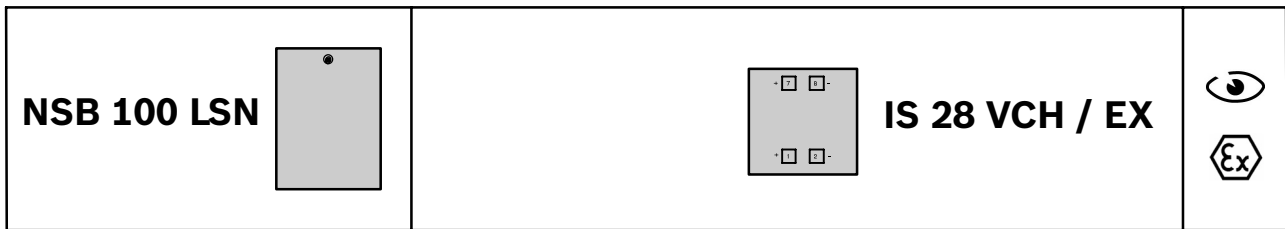
RMH 0002 A

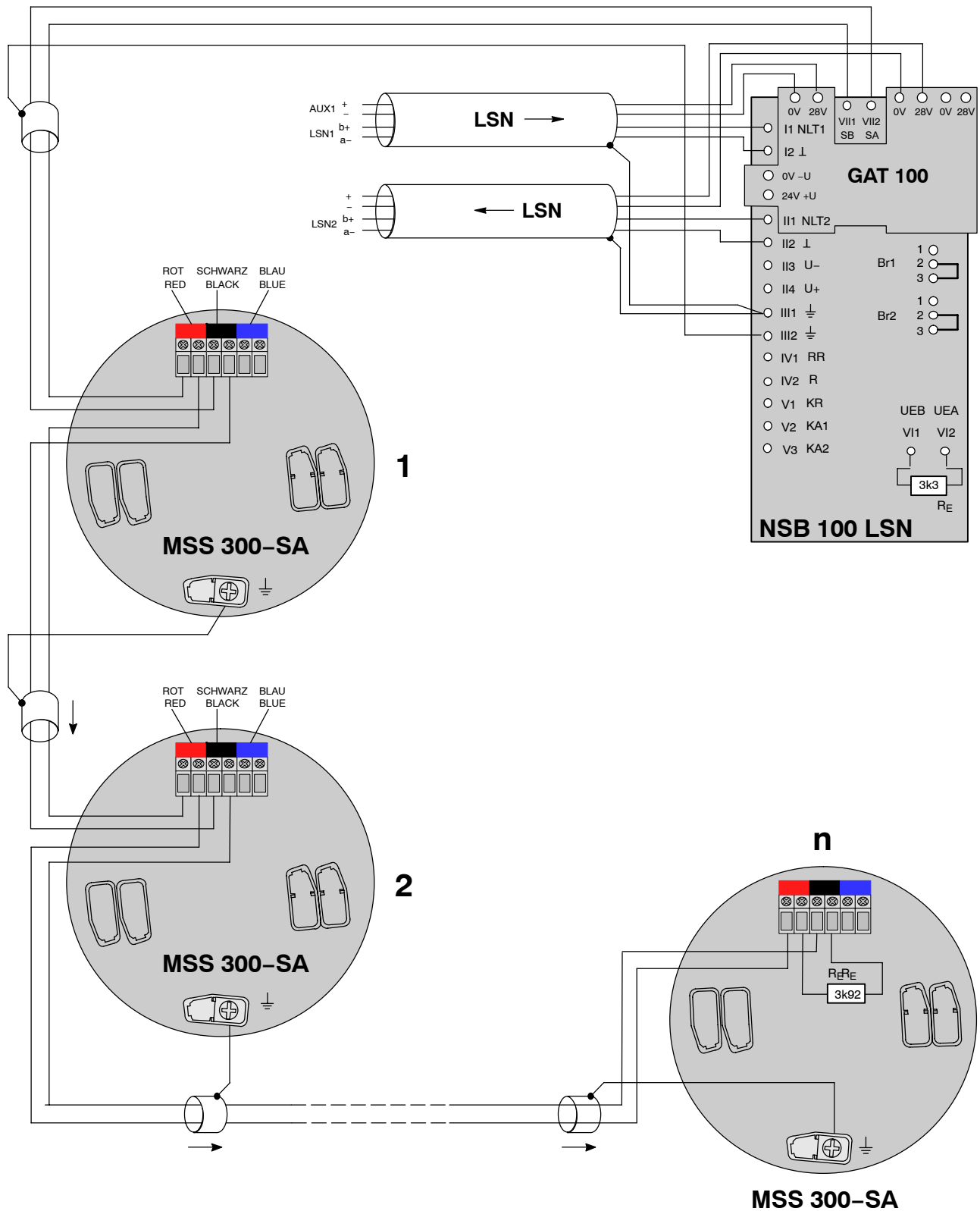
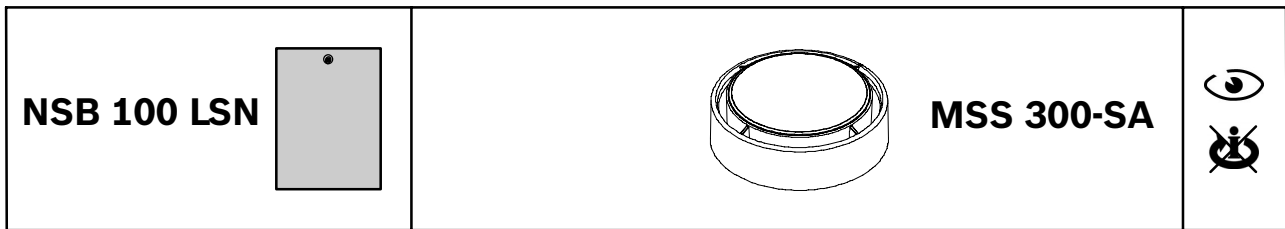


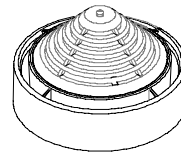
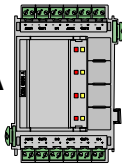
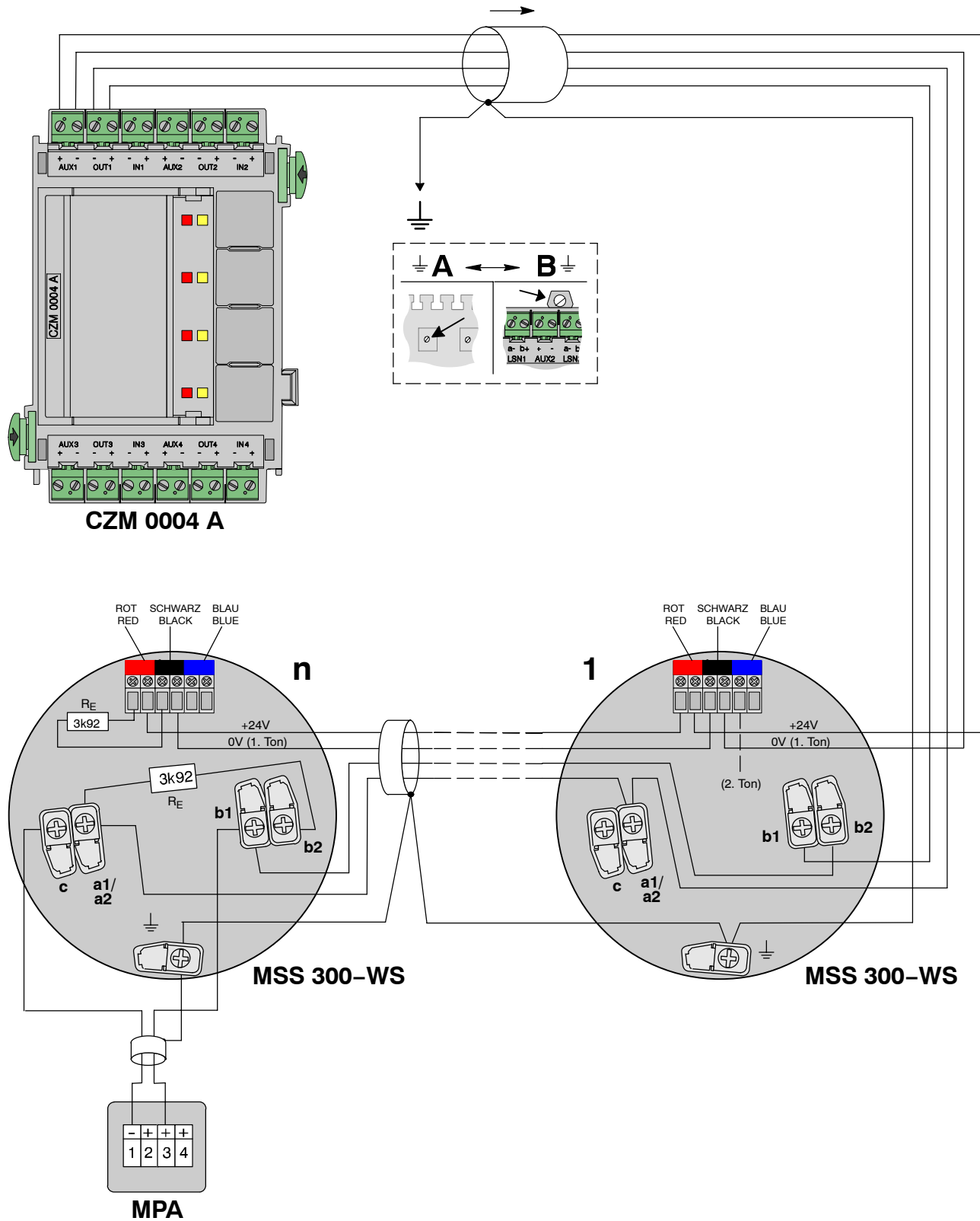
HPW 11 (230V)

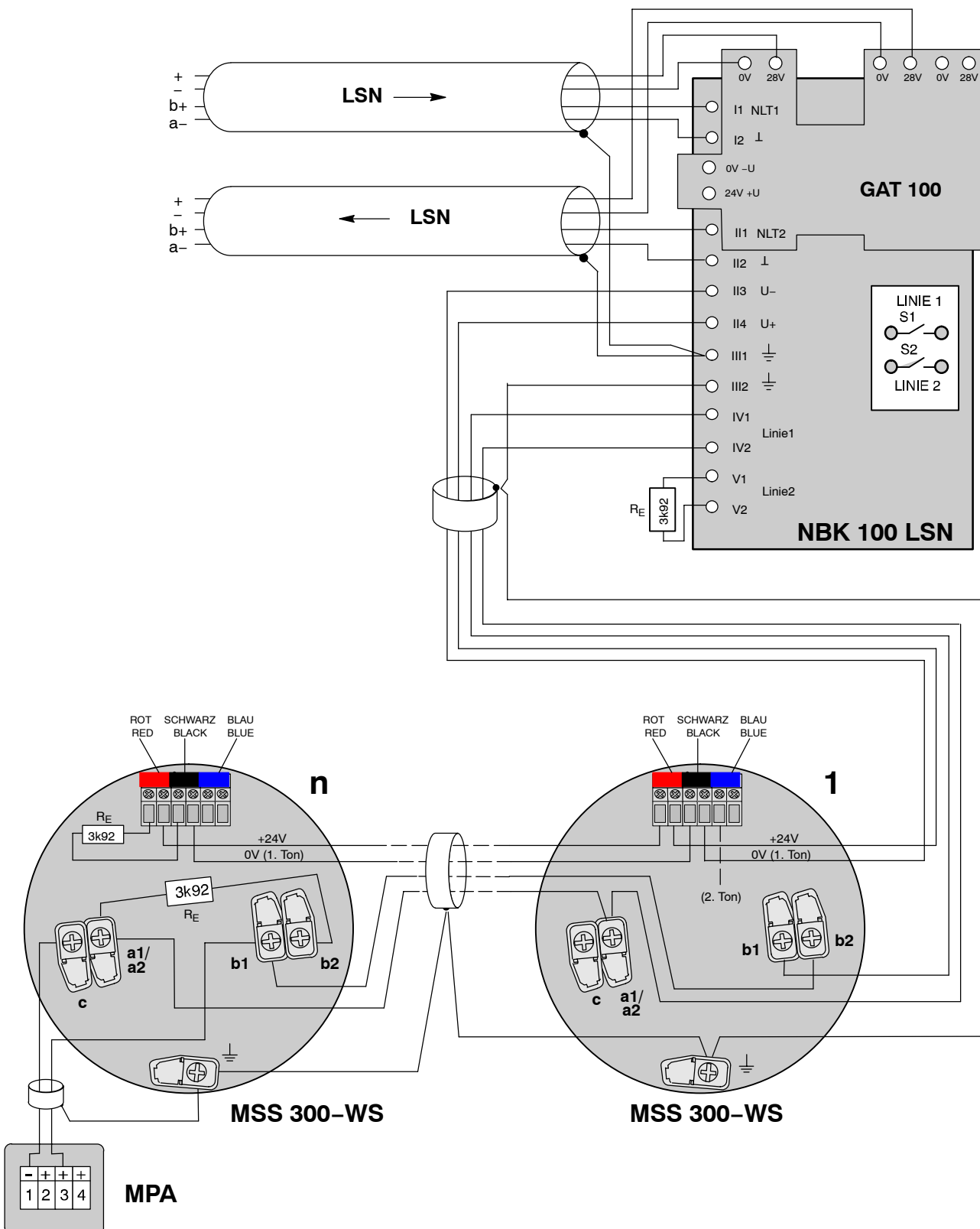
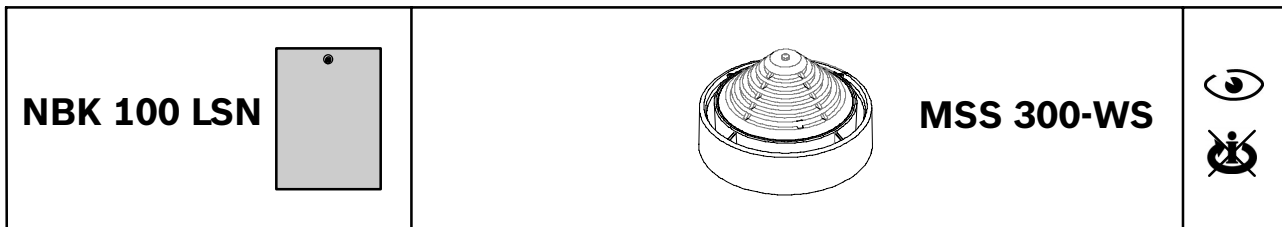


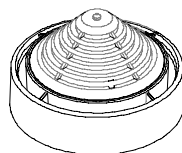
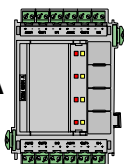




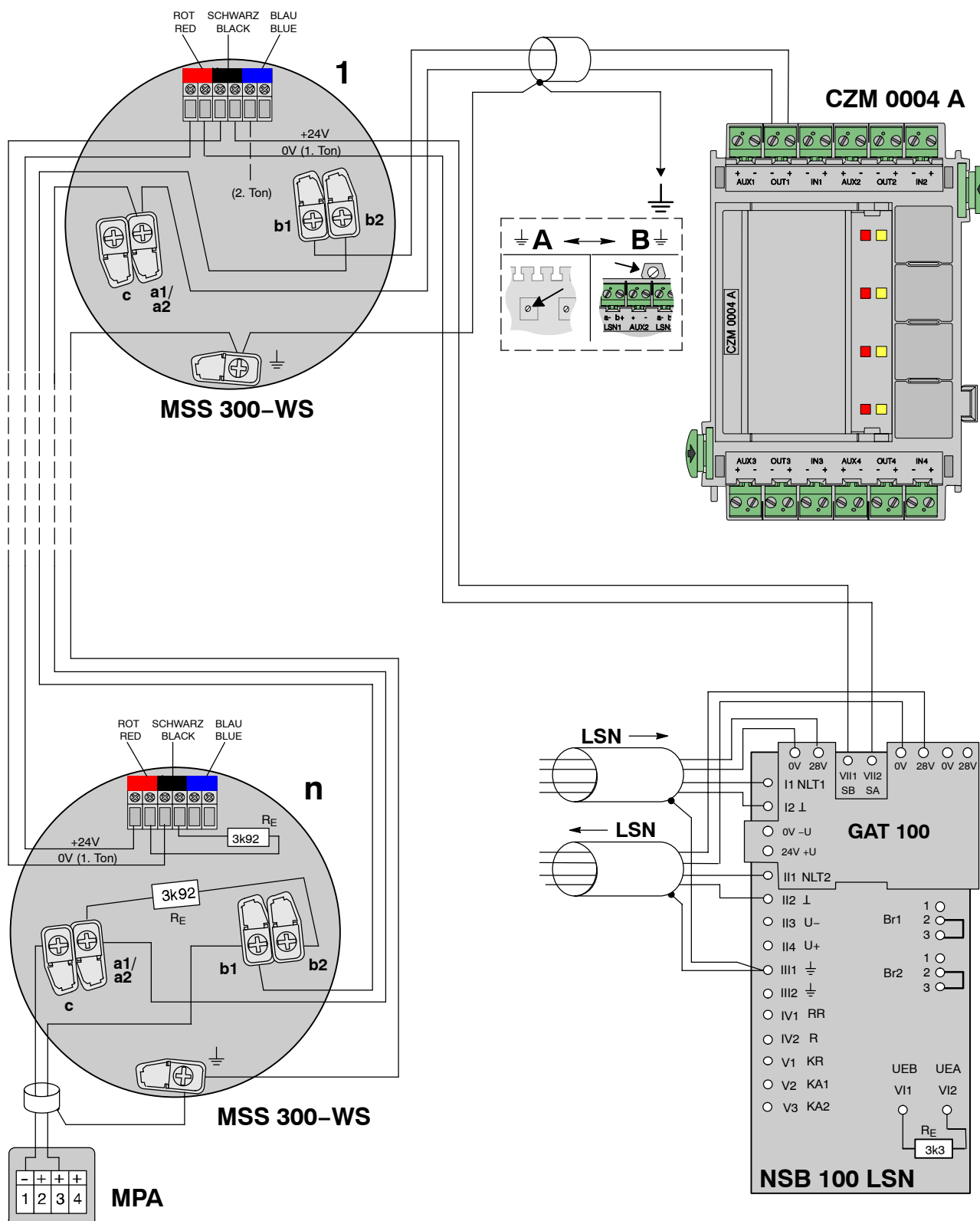


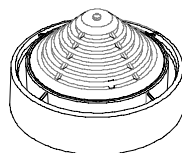
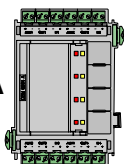
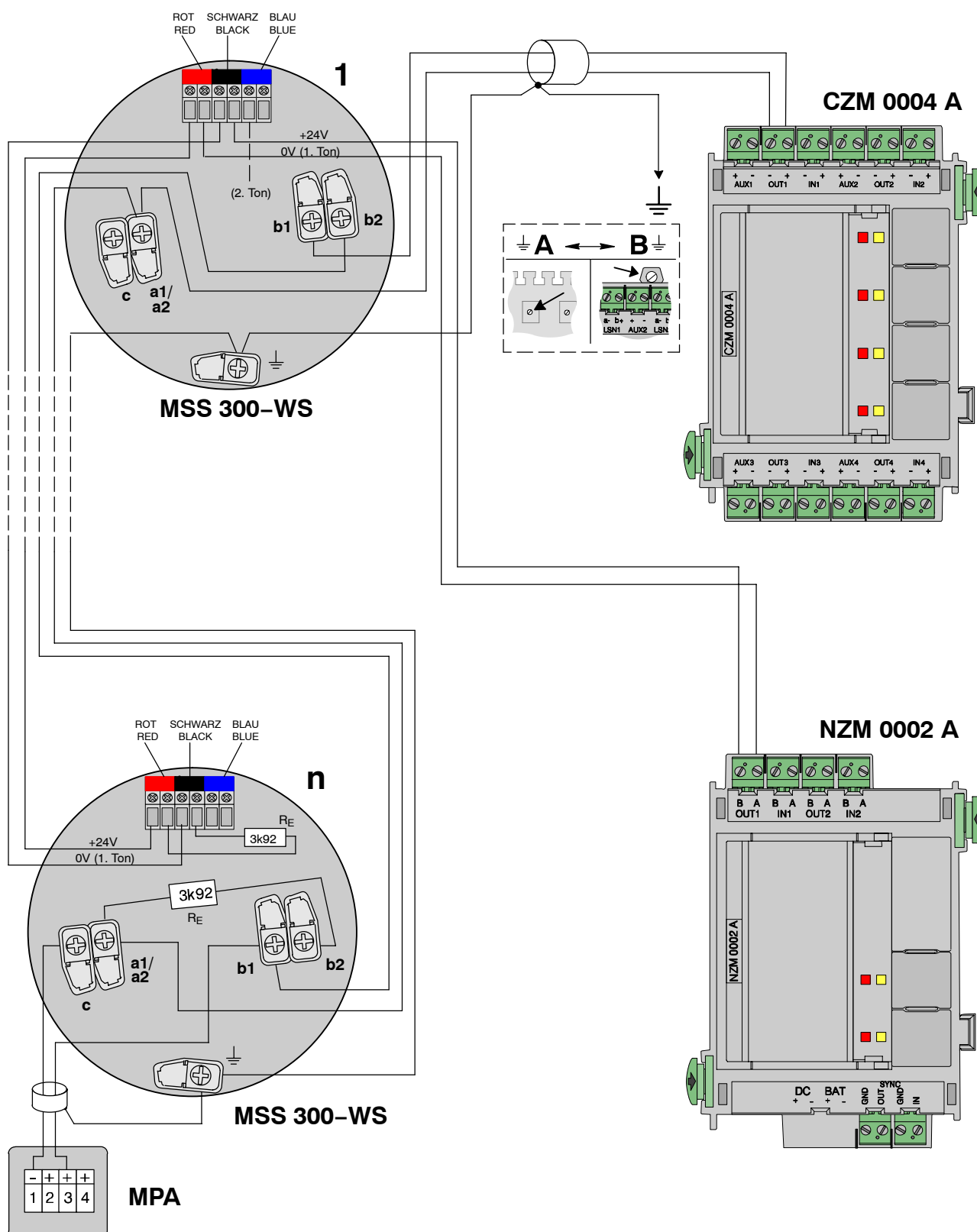
CZM 0004 A**MSS 300-WS**



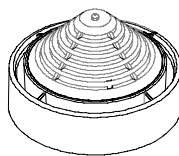
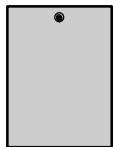


MSS 300-WS-EC

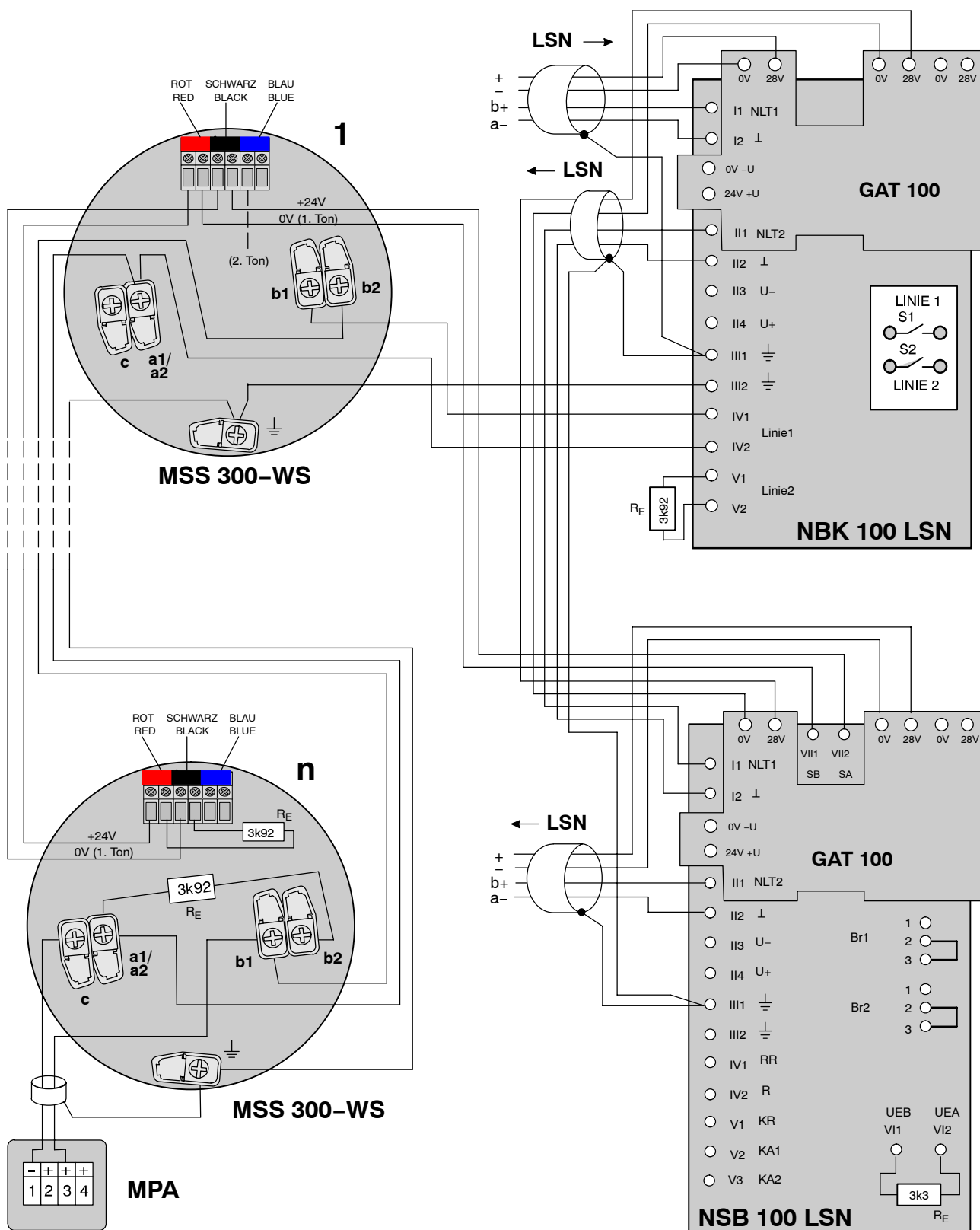


CZM 0004 A**MSS 300-WS-EC****BOSCH**

NBK 100 LSN
NSB 100 LSN

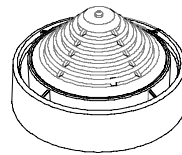
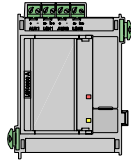


MSS 300-WS-EC

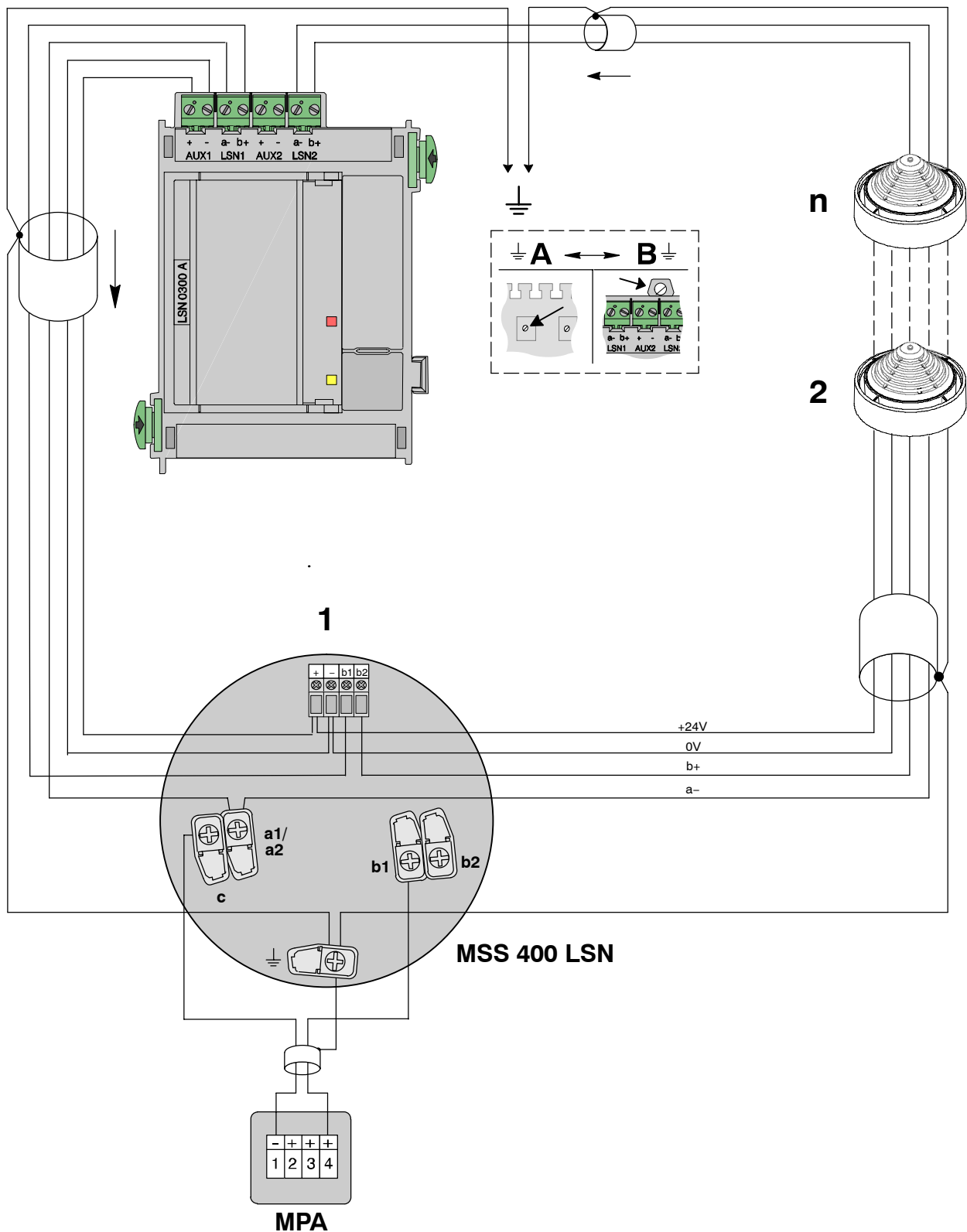


BOSCH

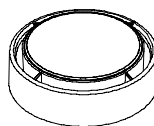
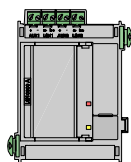
LSN 0300 A



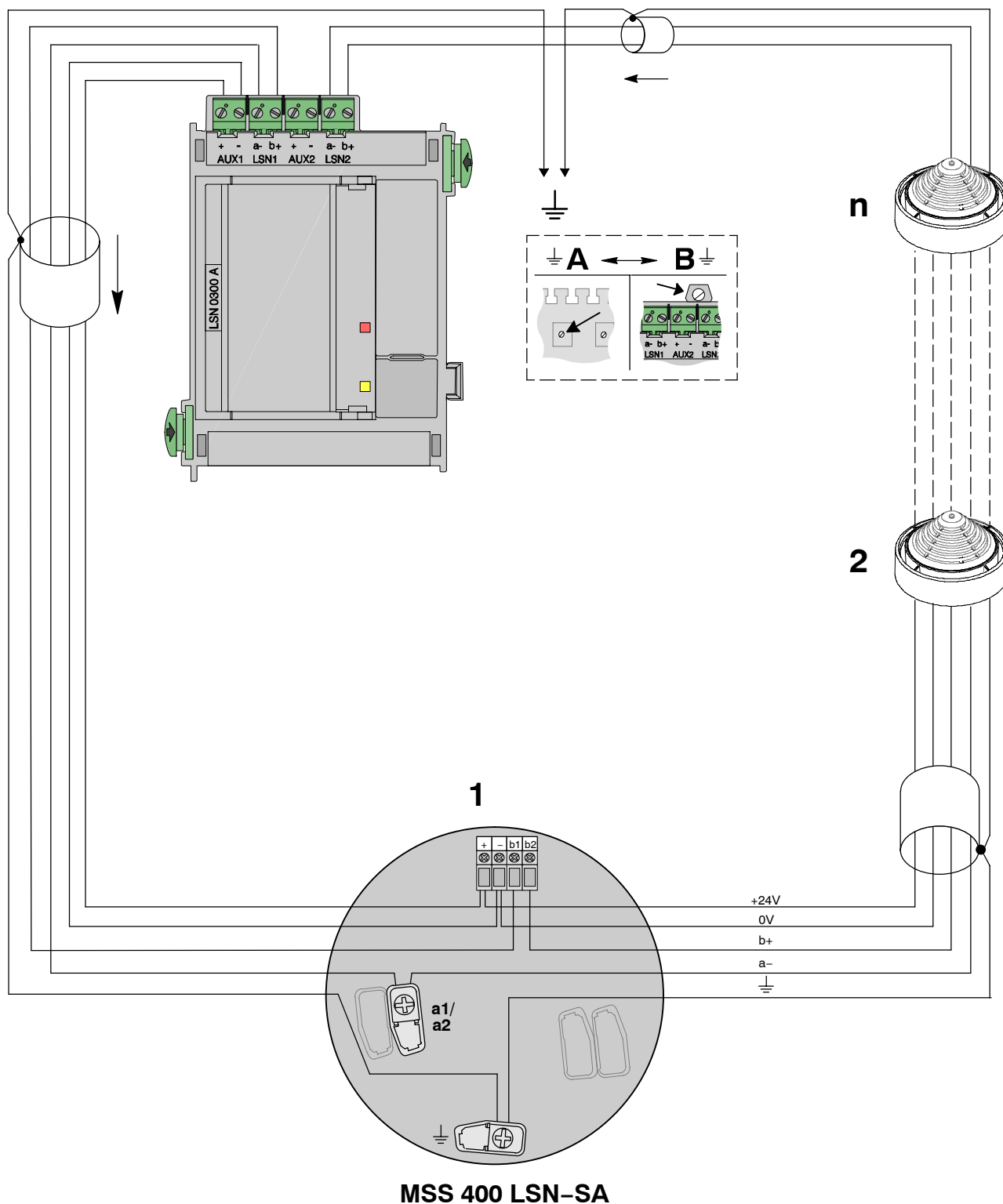
MSS 400 LSN



LSN 0300 A

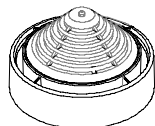
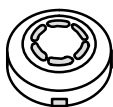
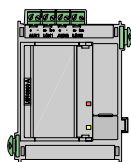
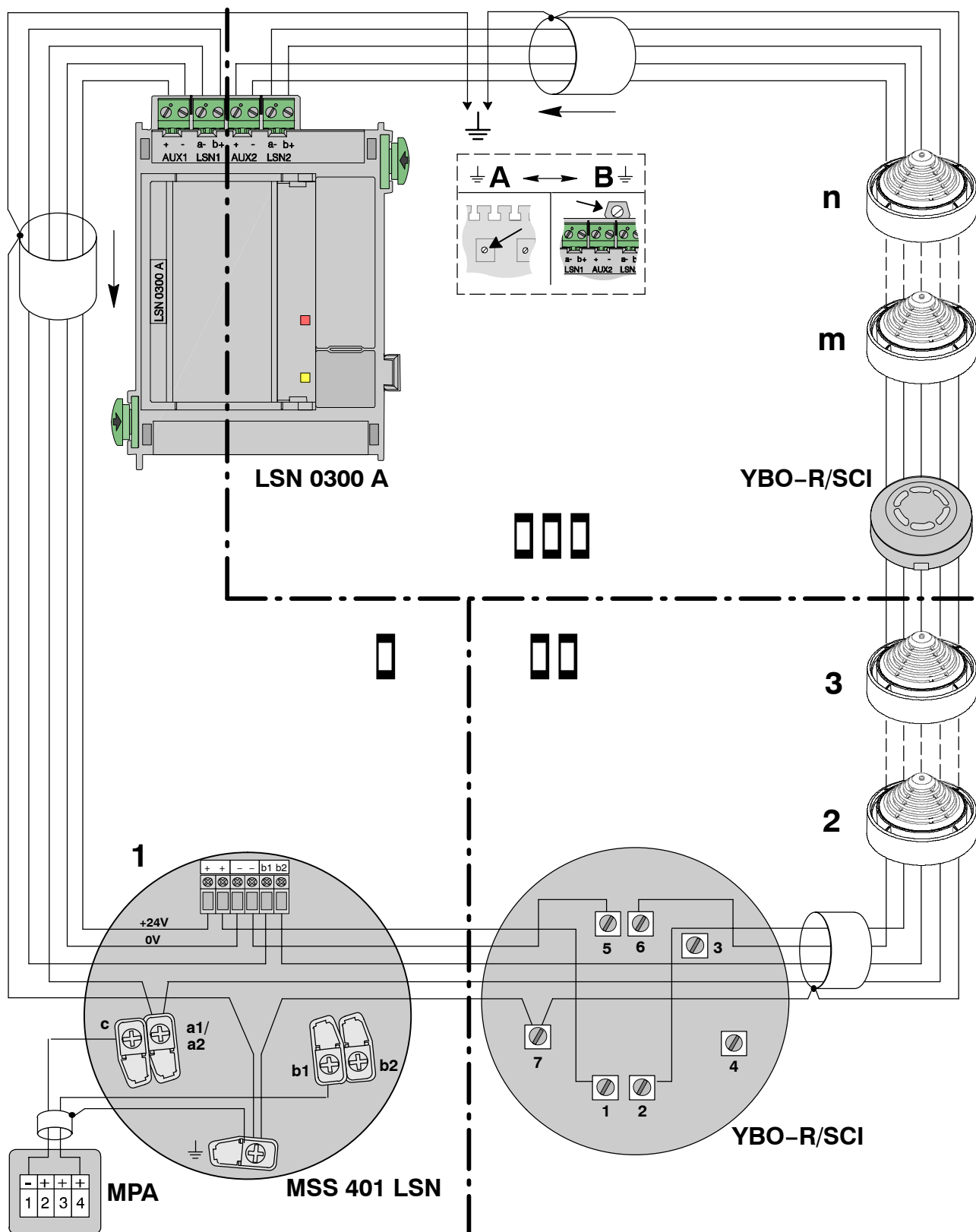


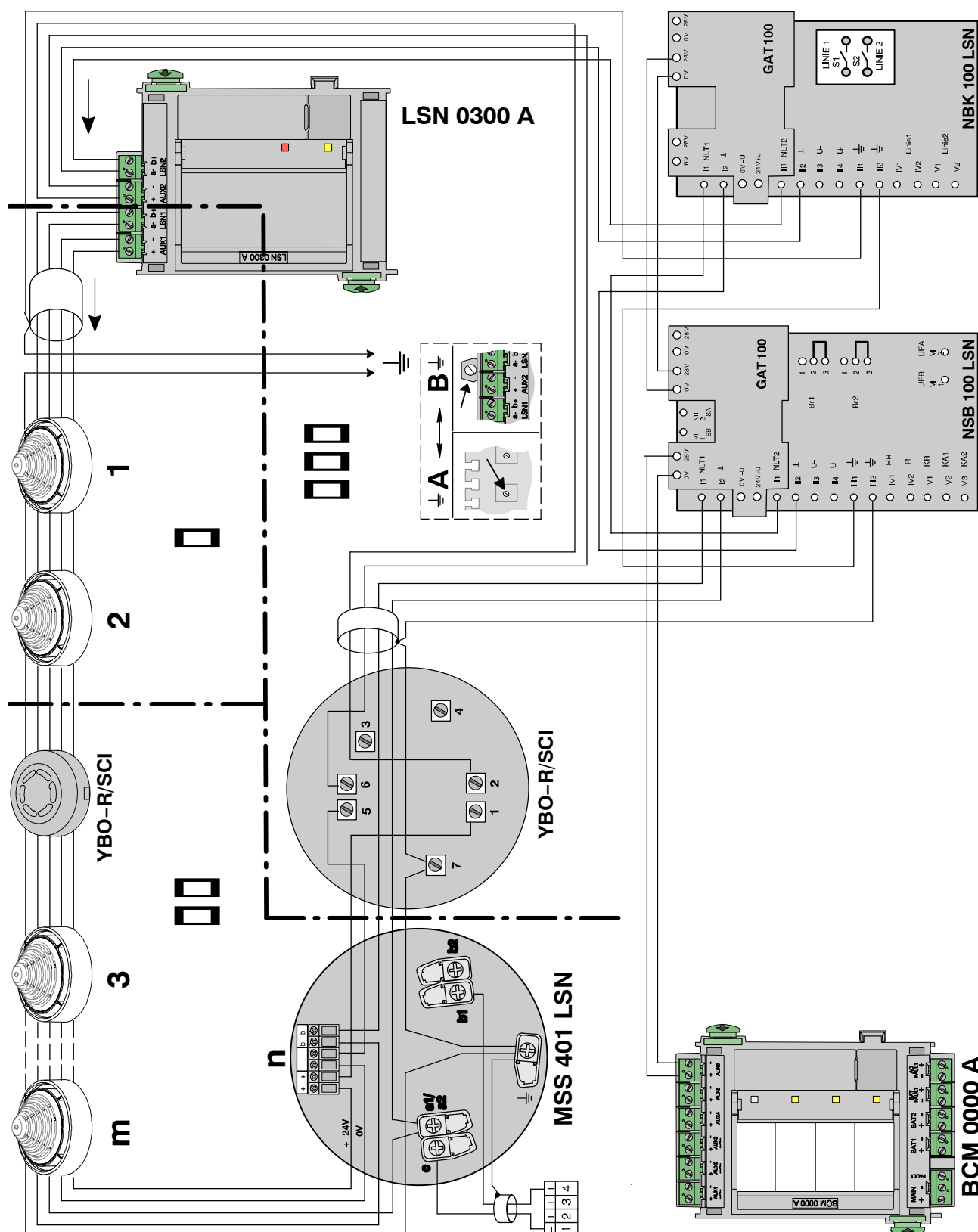
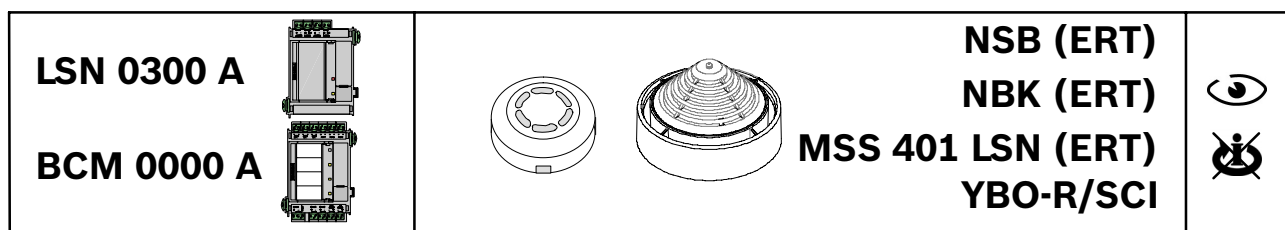
MSS 400 LSN-SA

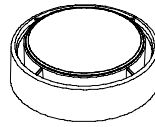
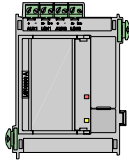
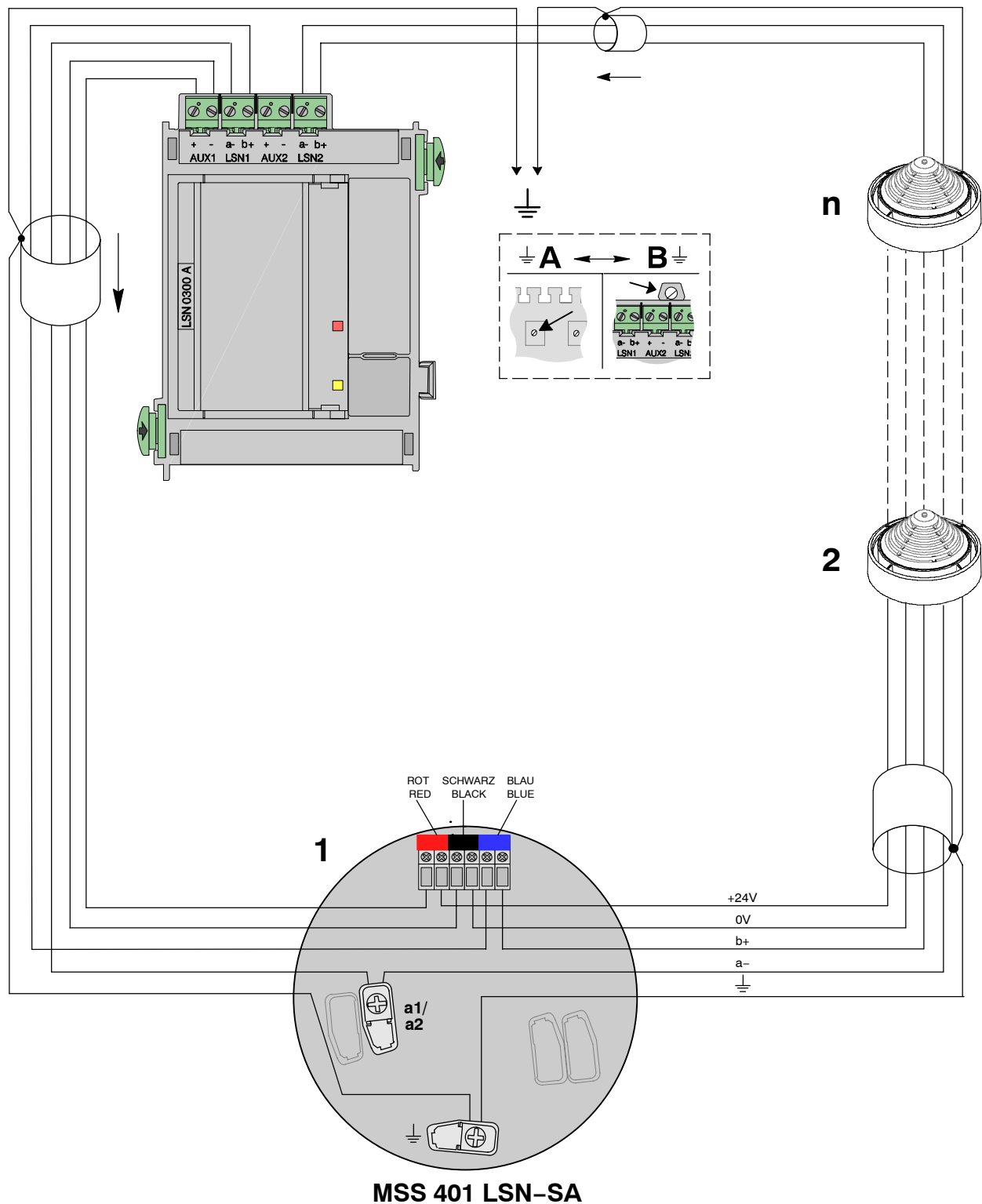


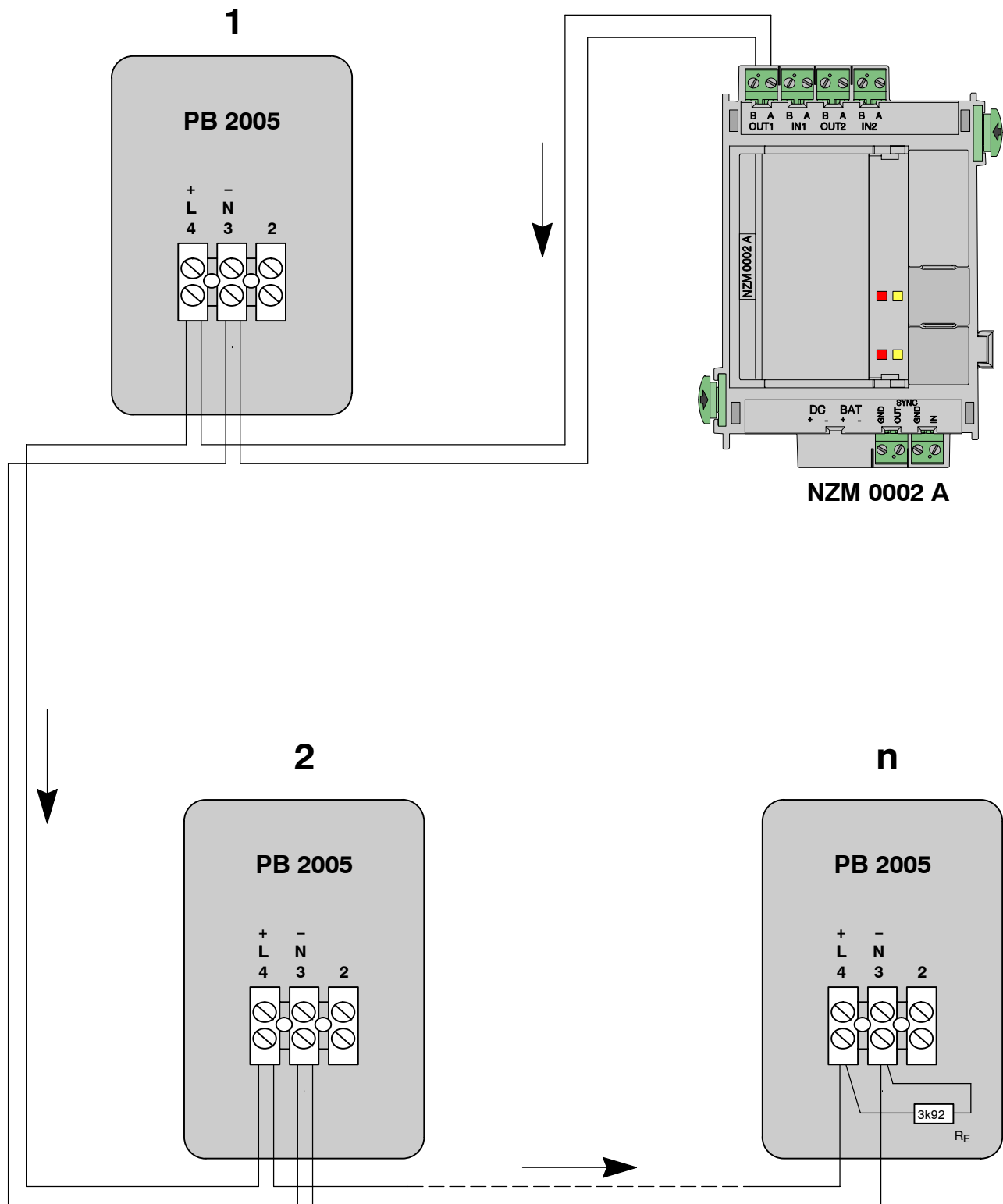
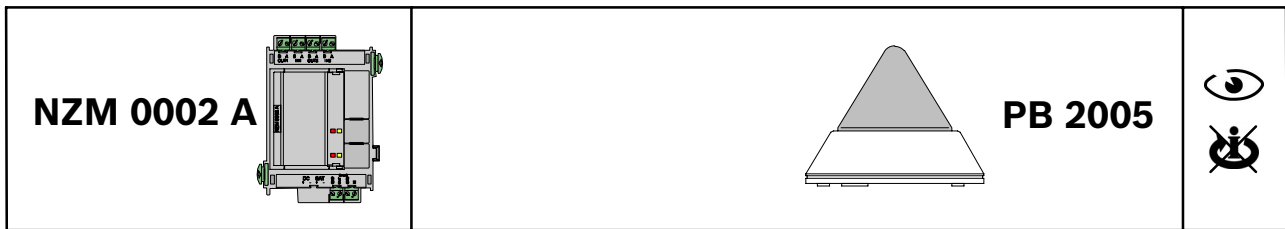
BOSCH

LSN 0300 A

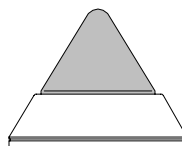
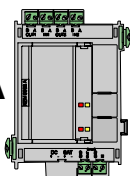
MSS 401 LSN (ERT)
YBO-R/SCI**BOSCH**



LSN 0300 A**MSS 401 LSN-SA**



NZM 0002 A

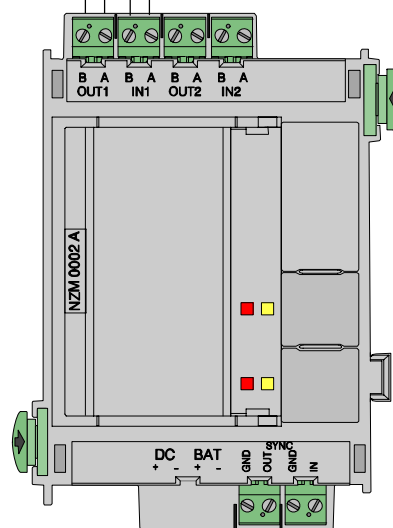
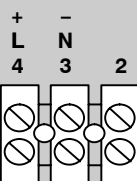


PB 2005



1

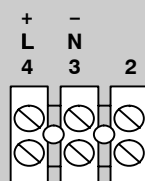
PB 2005



NZM 0002 A

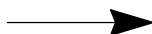
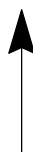
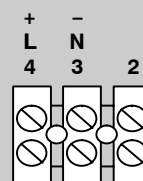
2

PB 2005

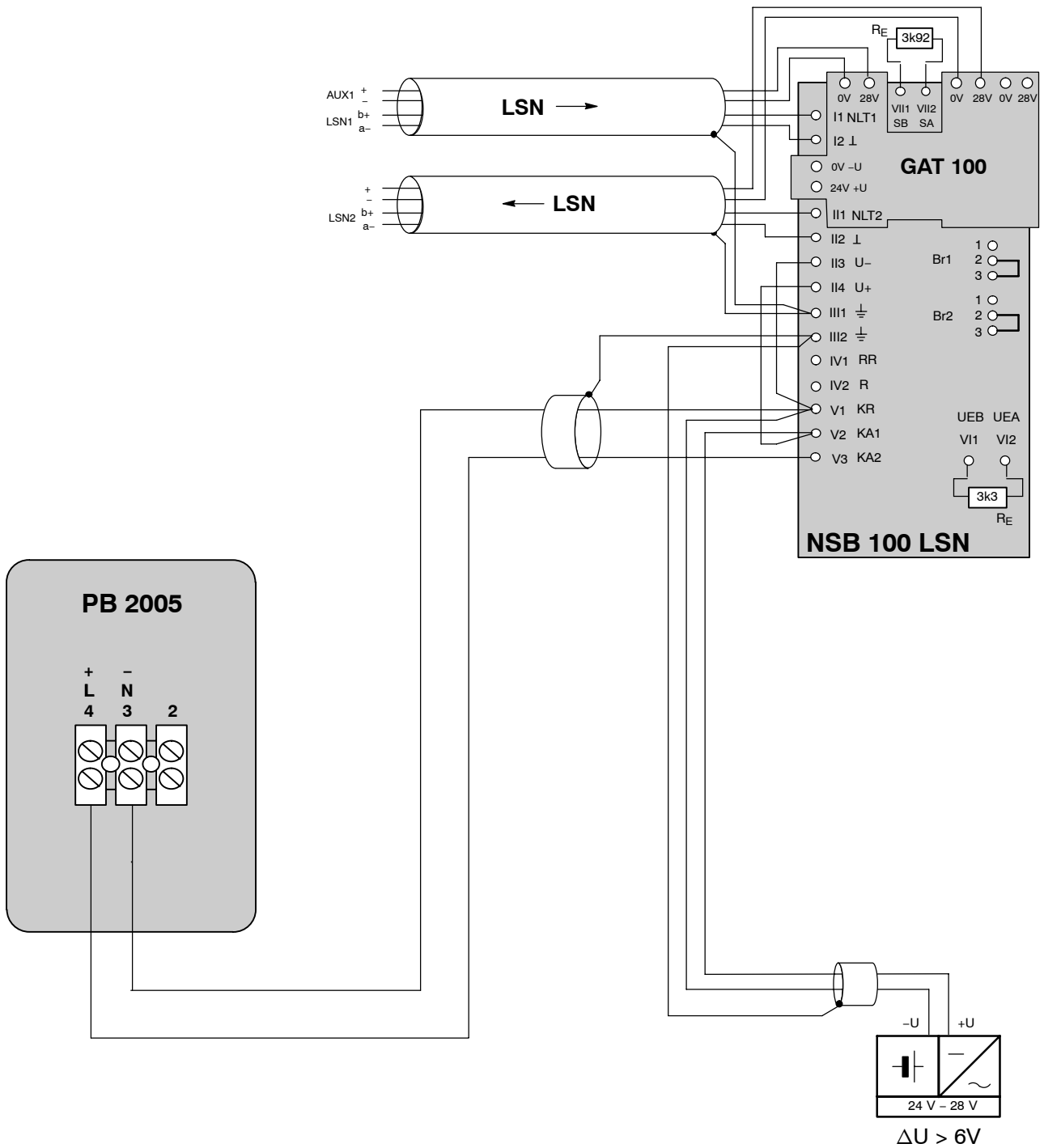
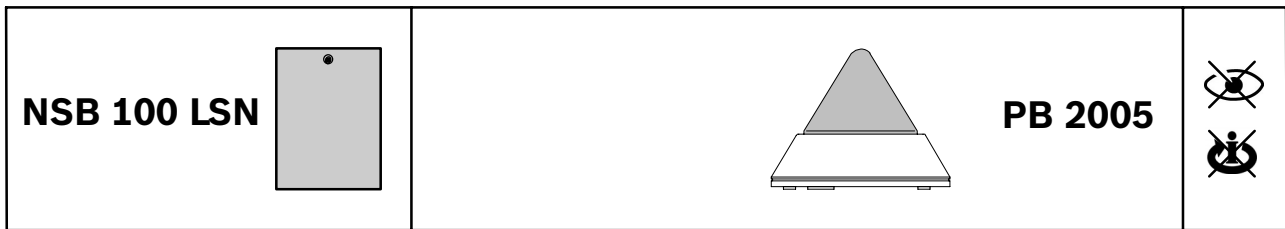


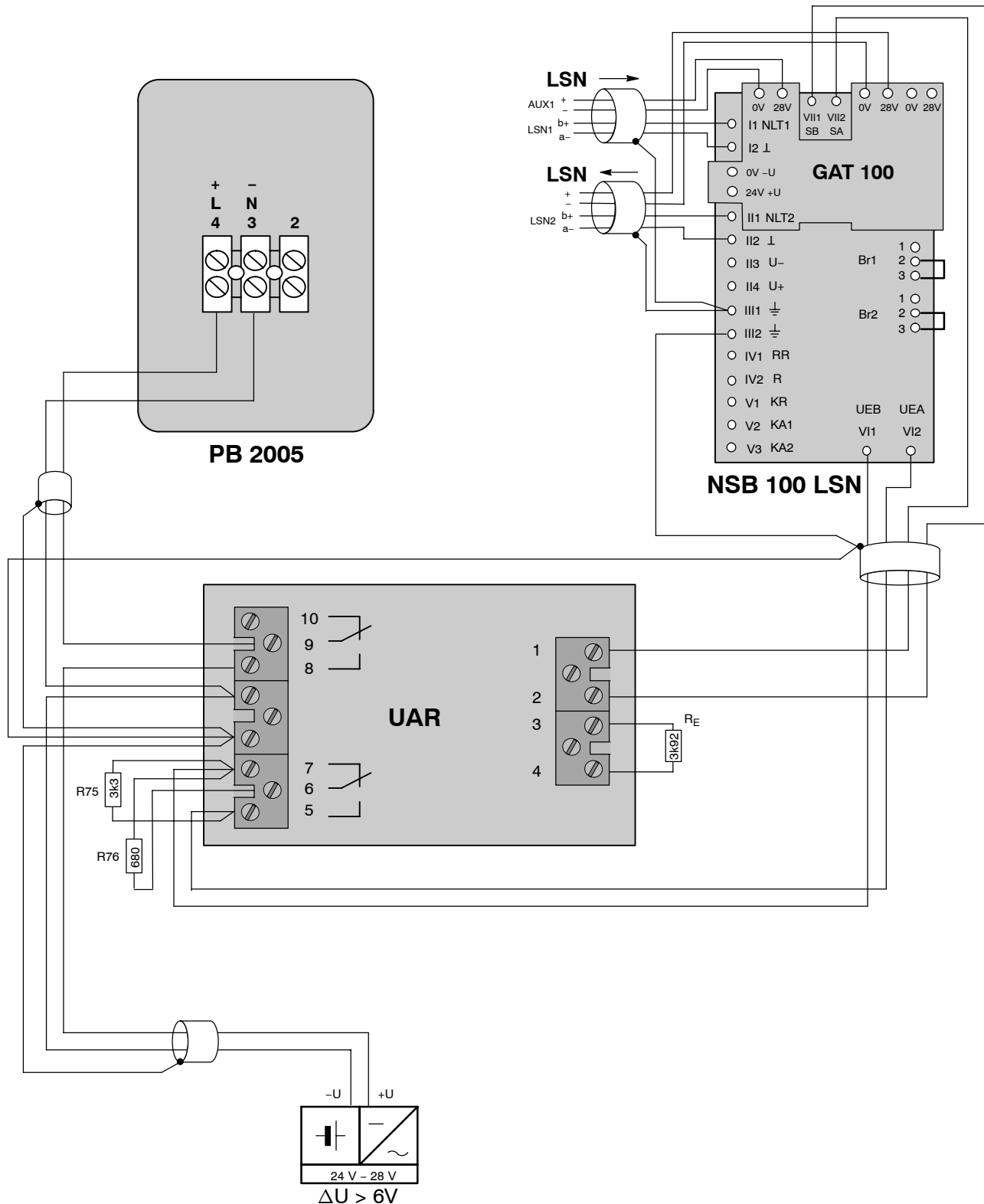
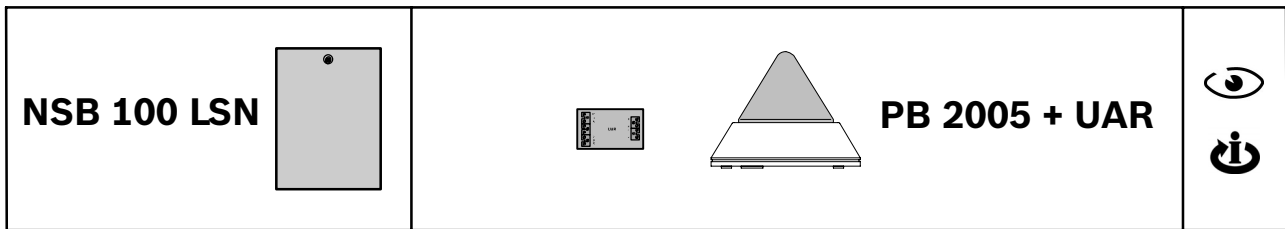
n

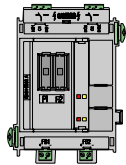
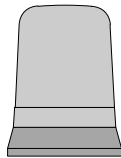
PB 2005

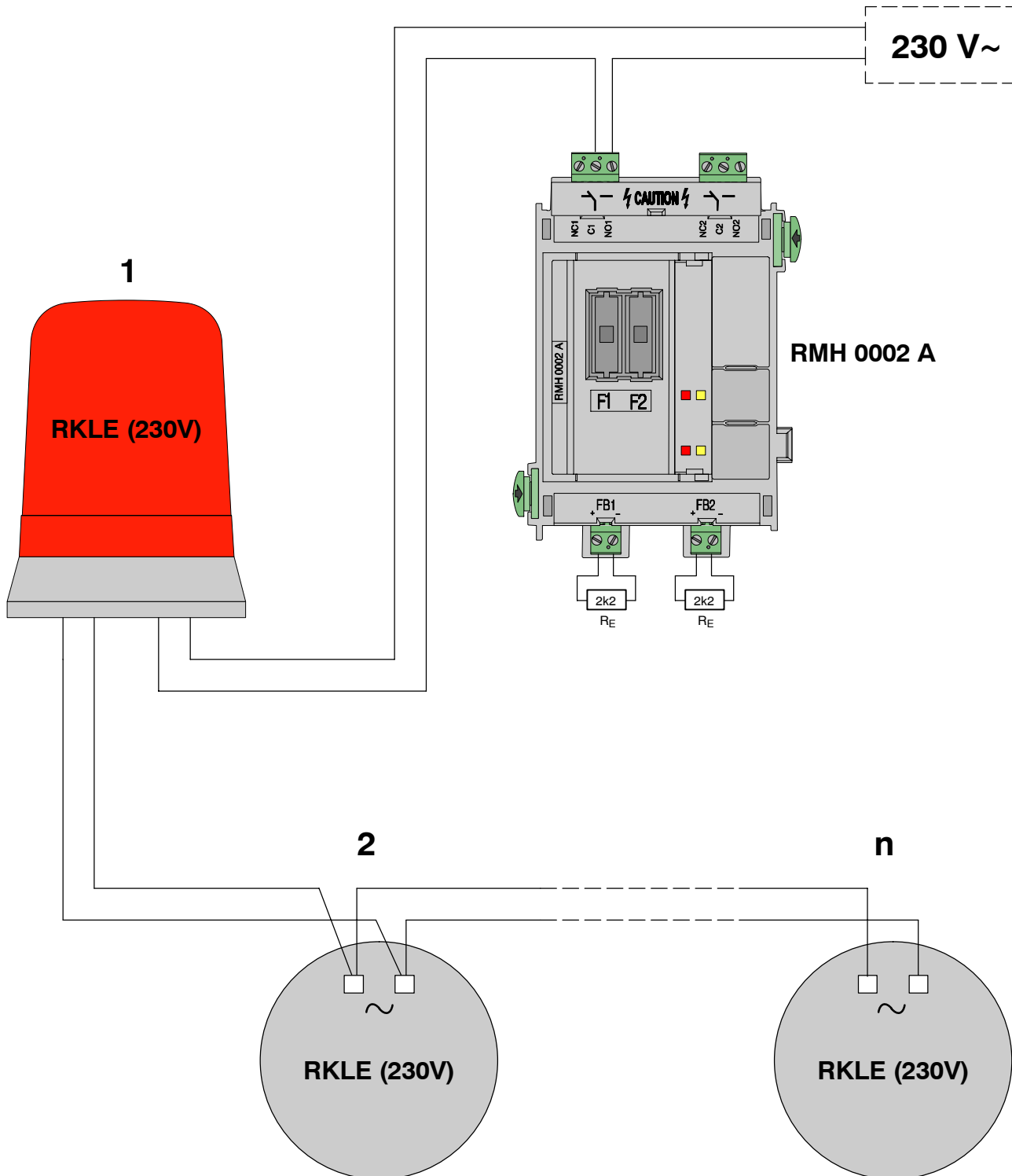


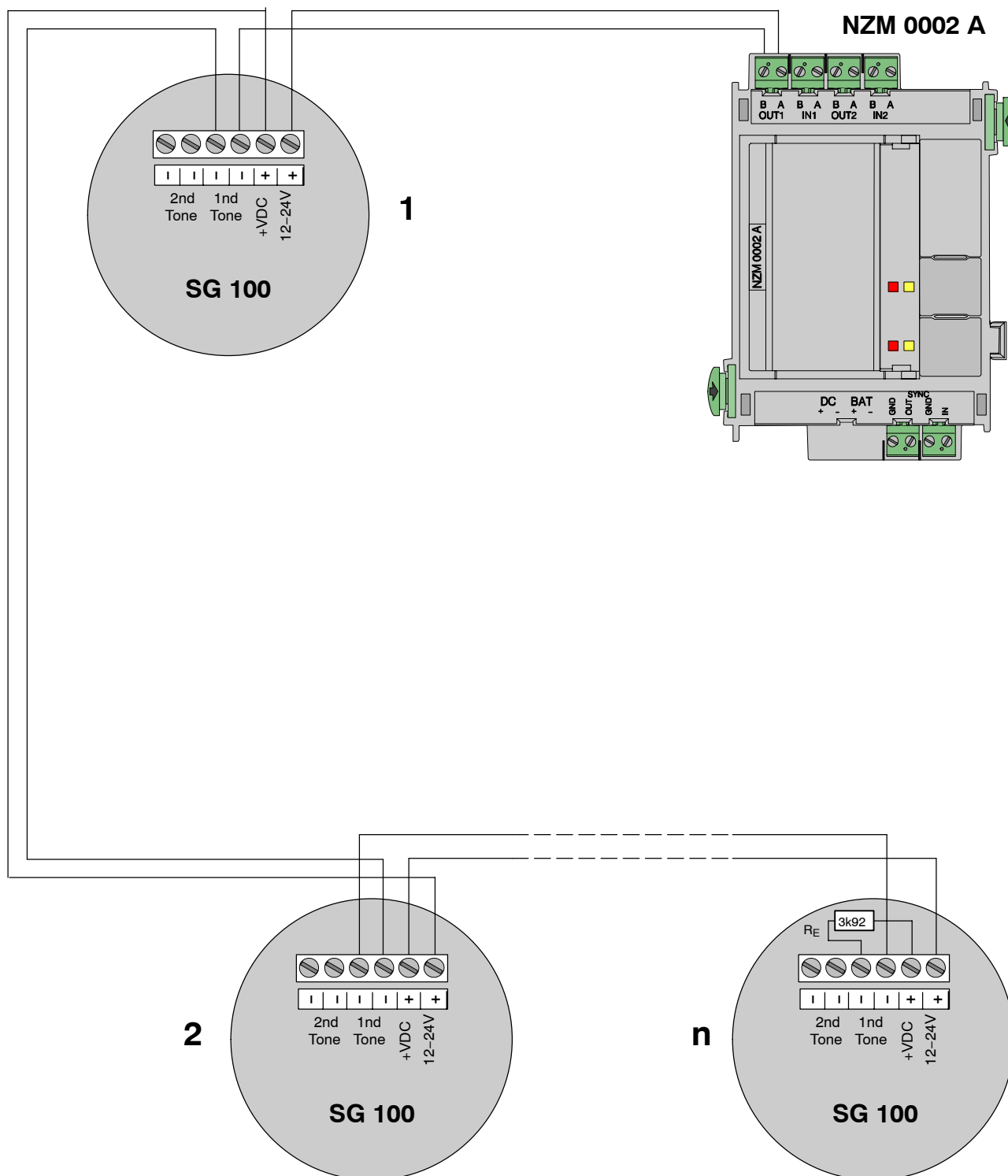
BOSCH

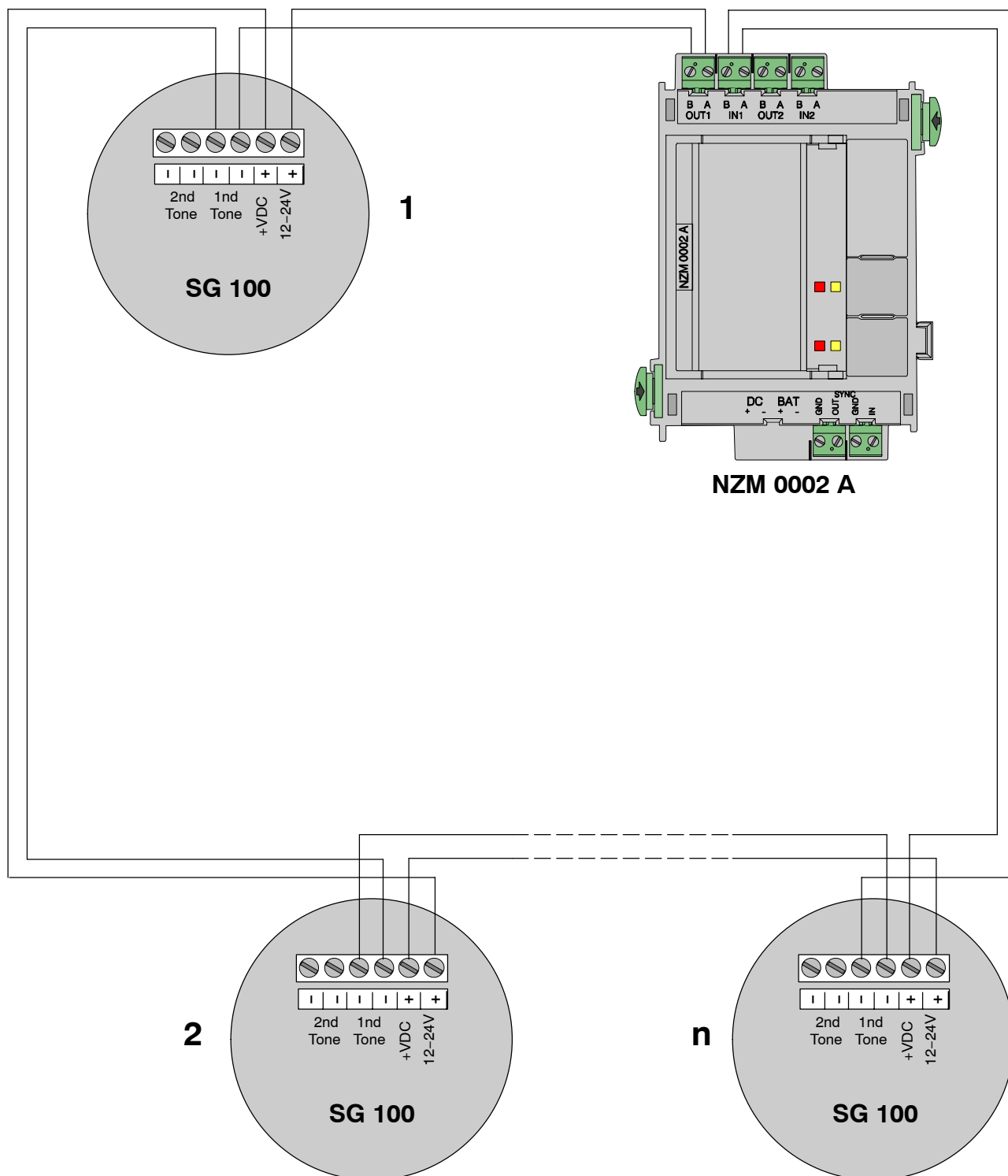


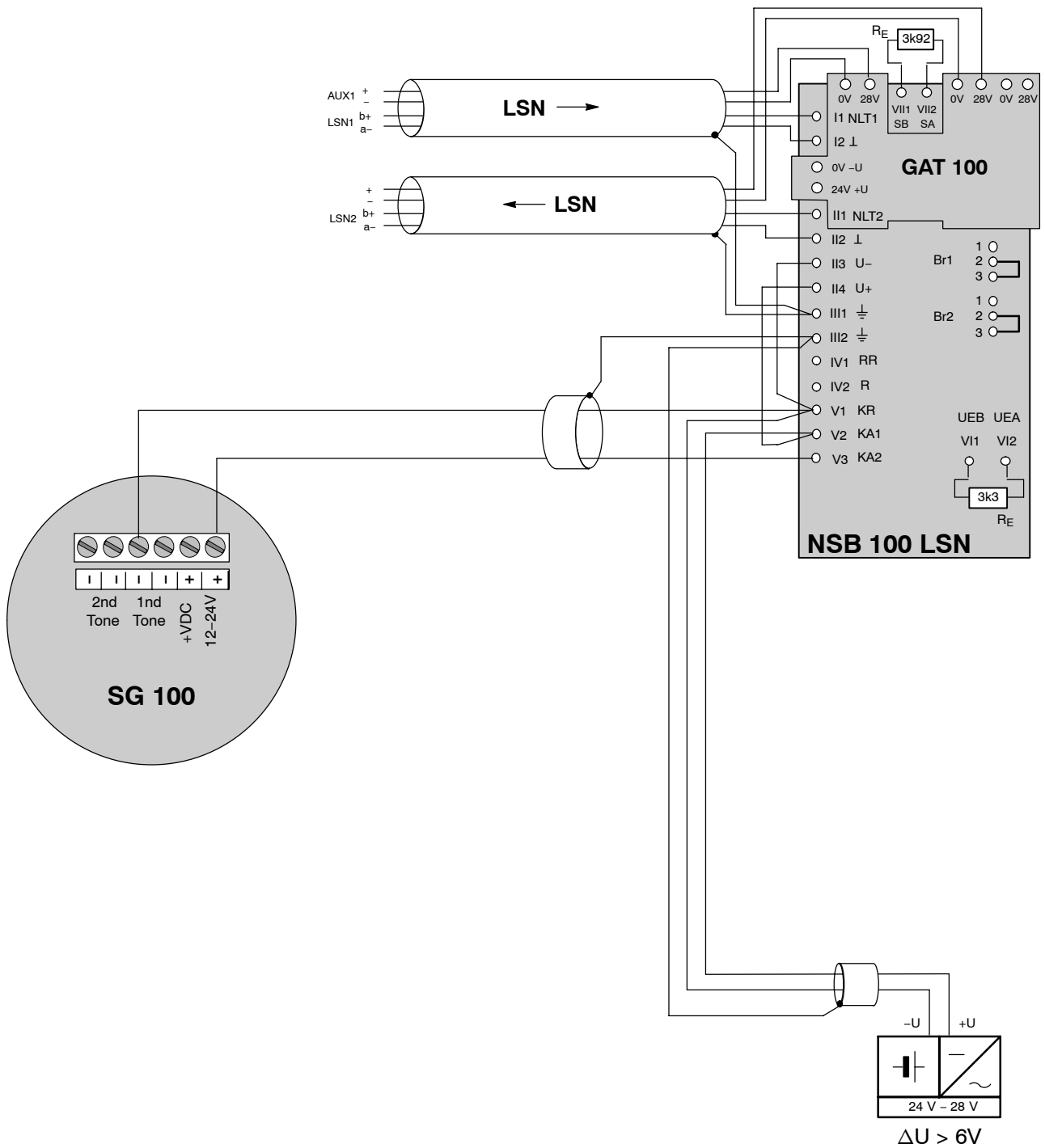
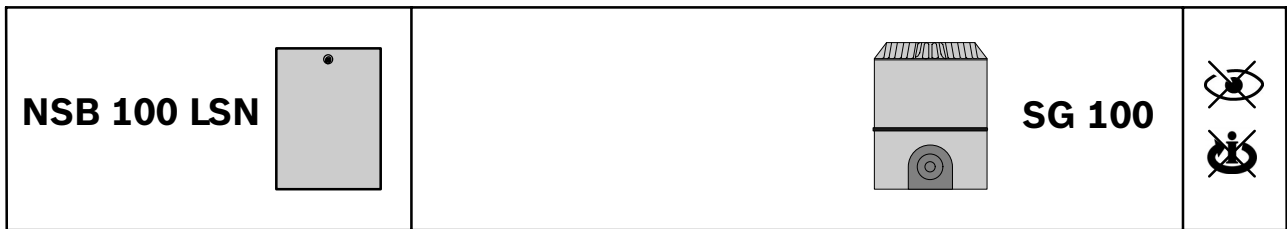


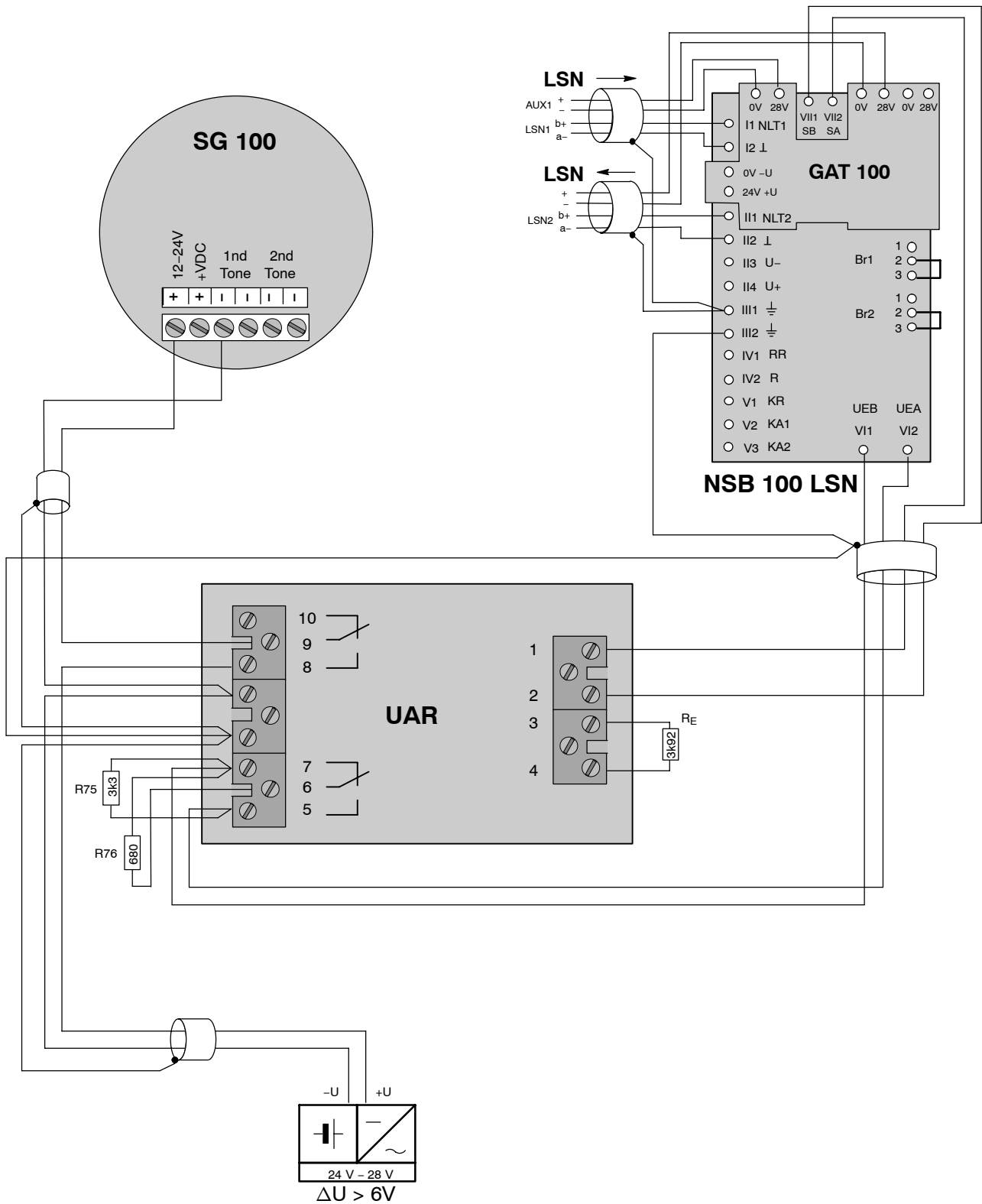
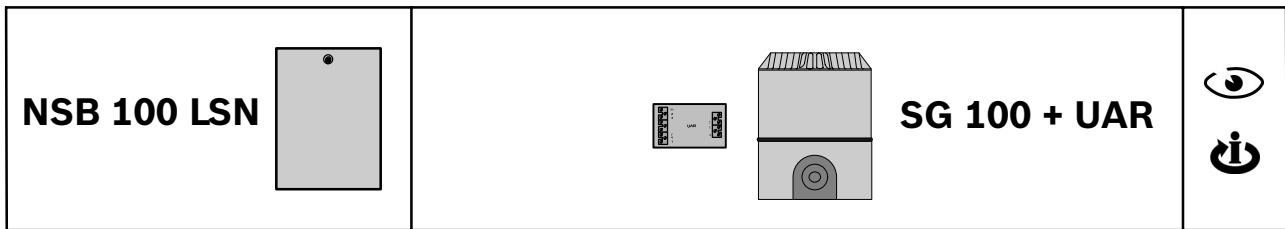
 RMH 0002 A	 RKLE (230V)	
---	---	---

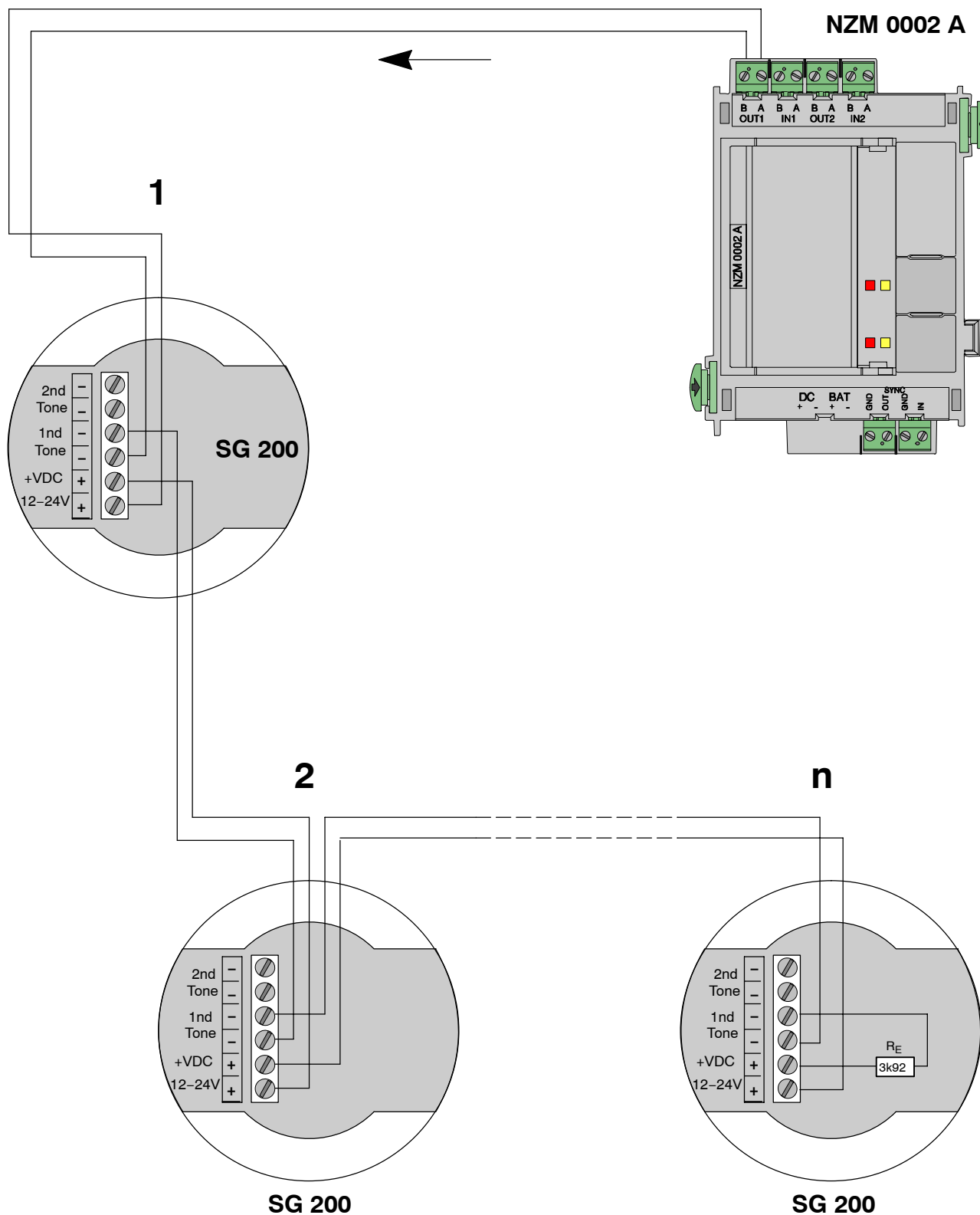


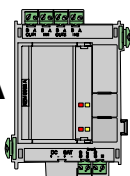
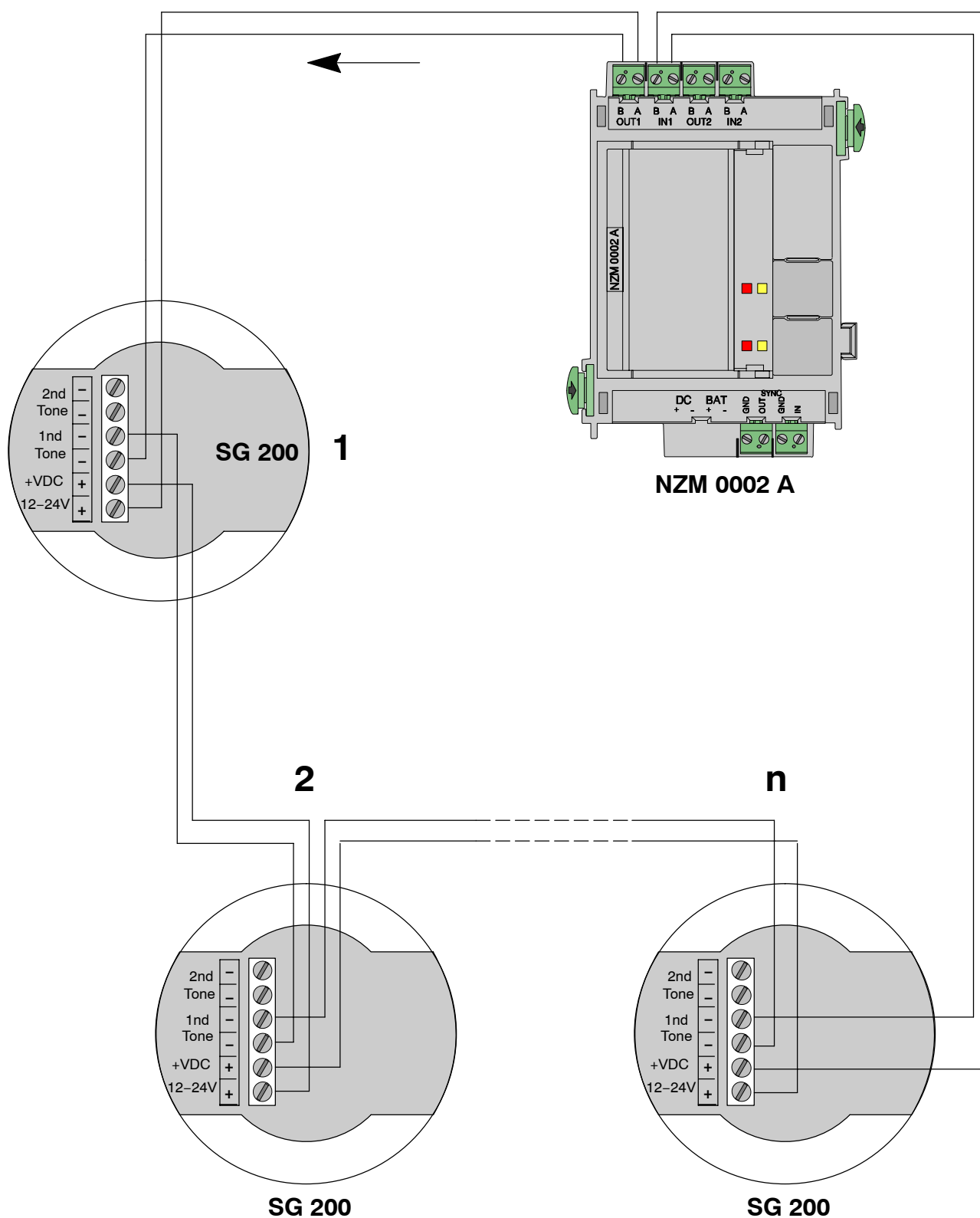






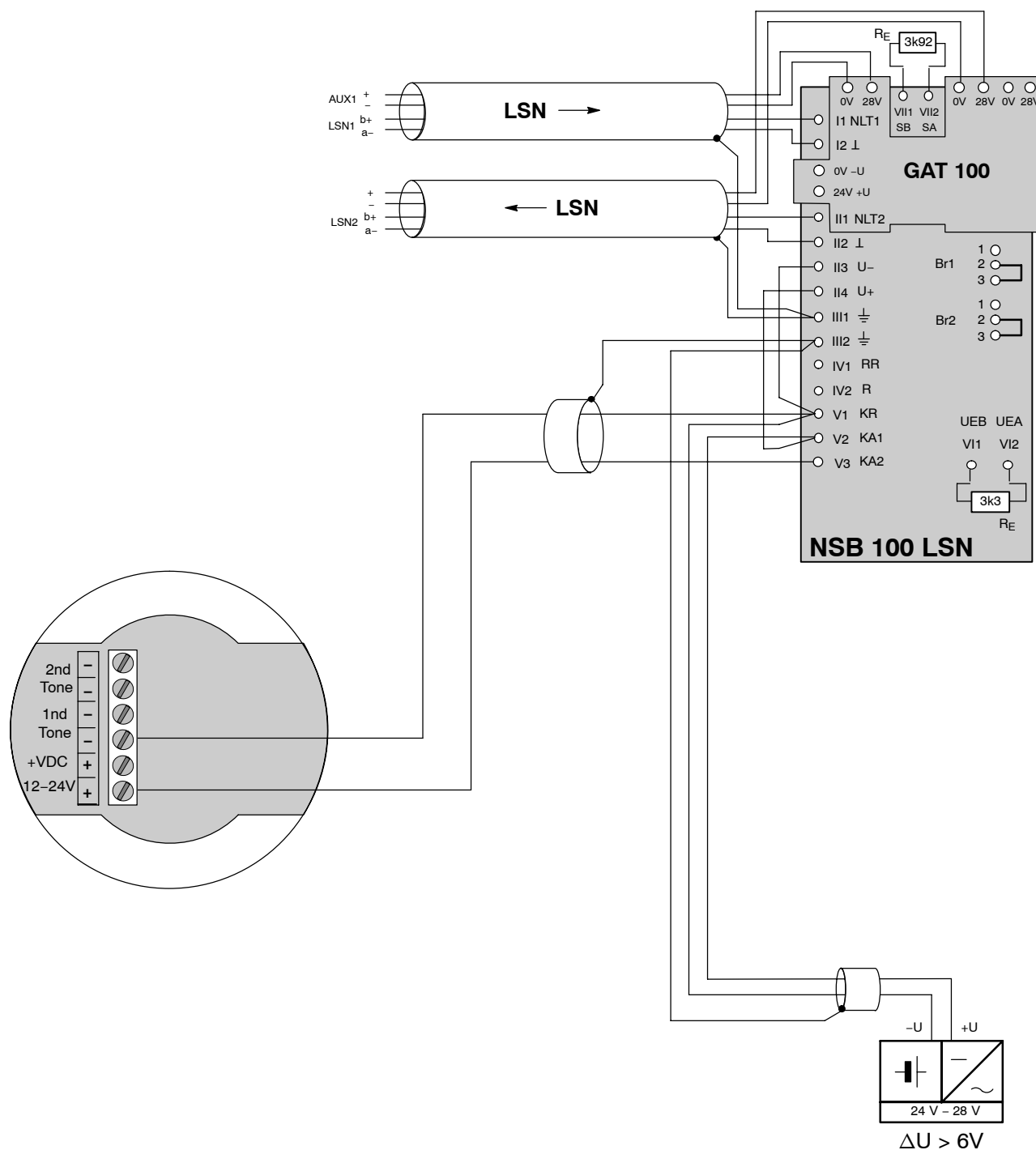


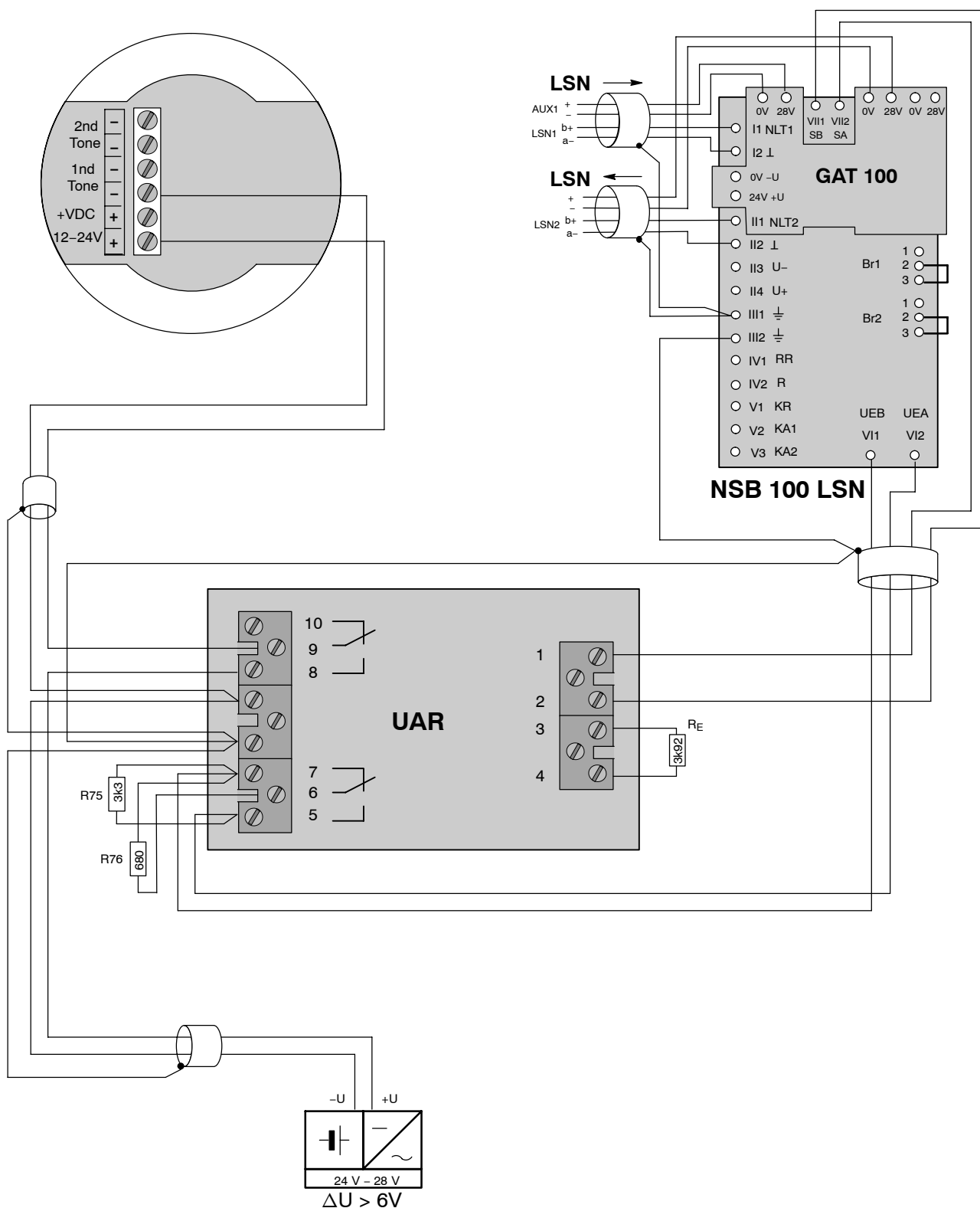
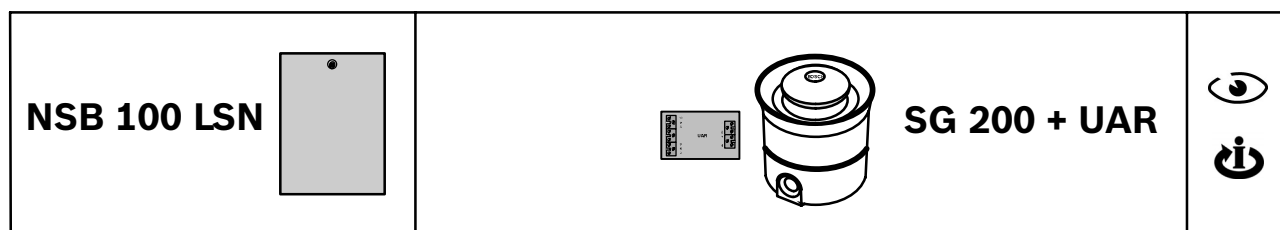


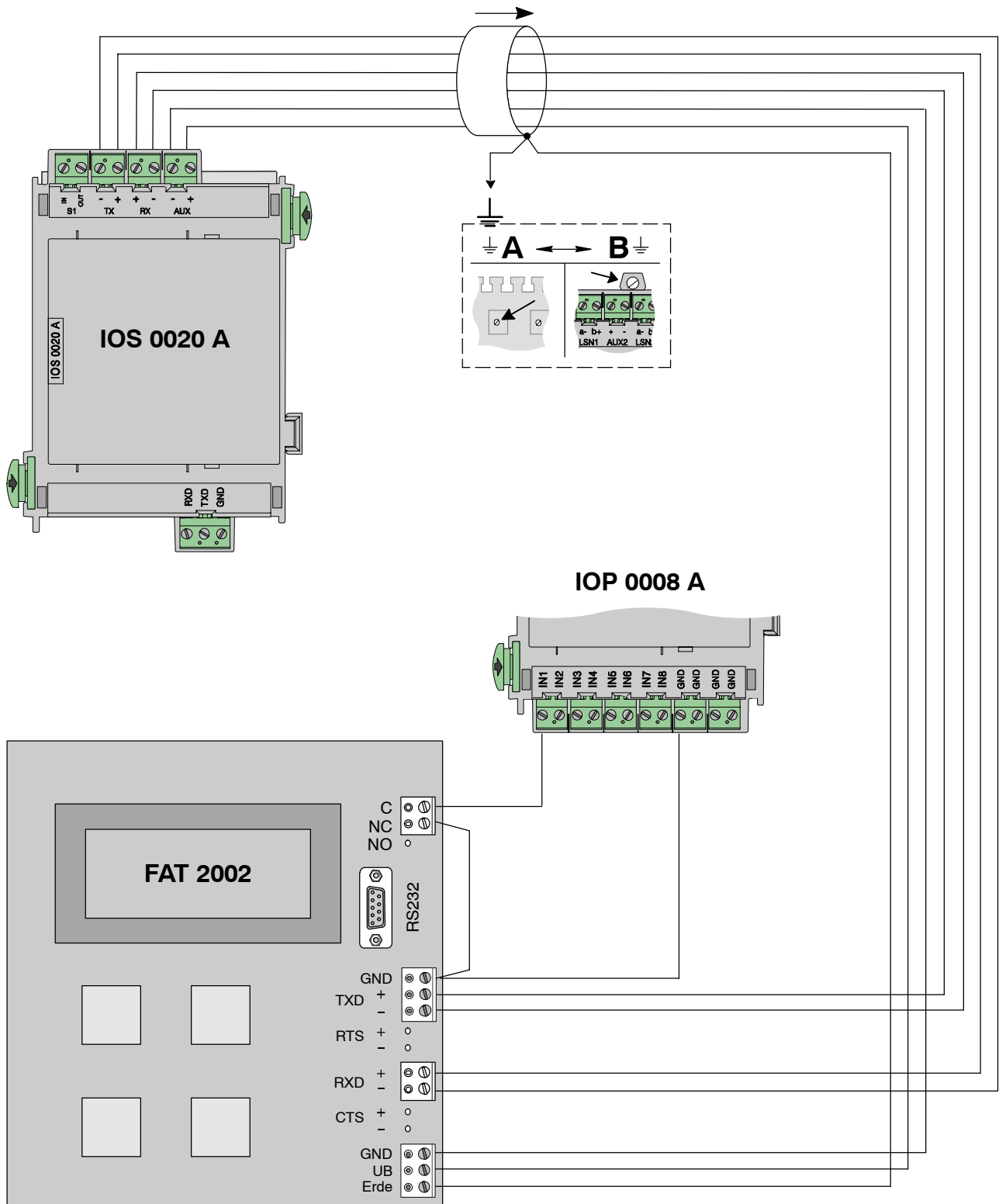
NZM 0002 A**SG 200**

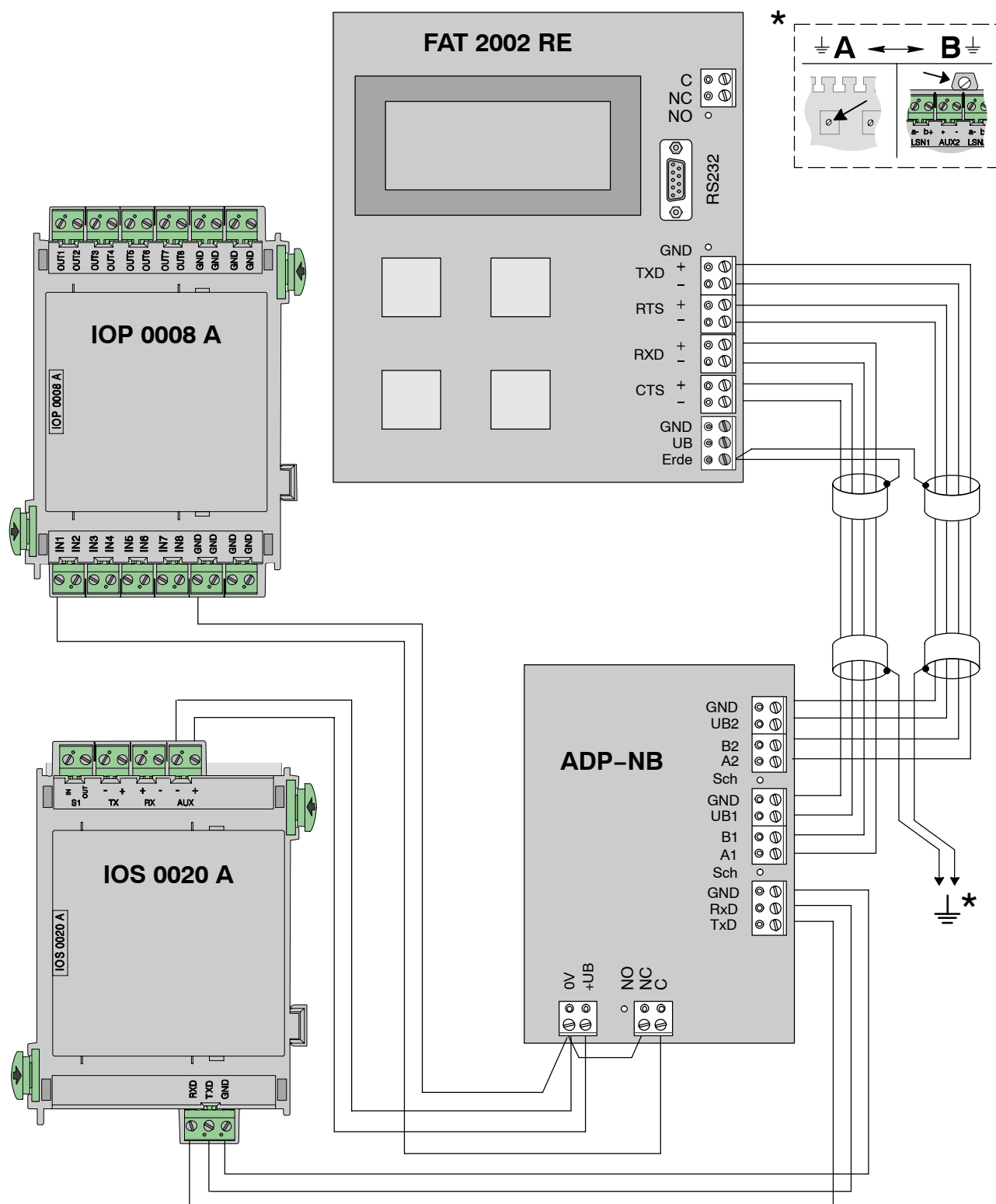
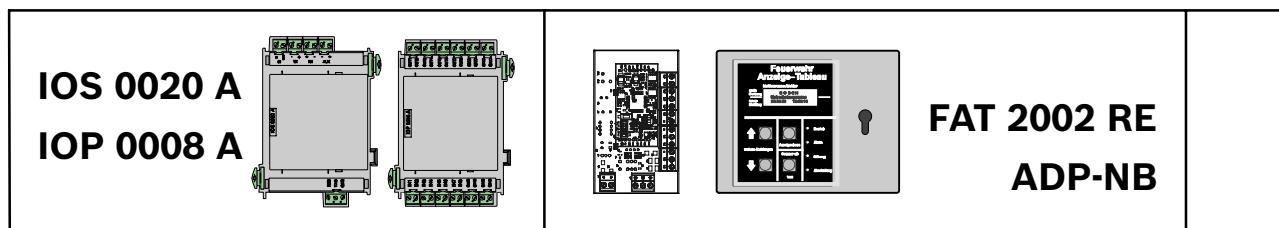
FPA 5000

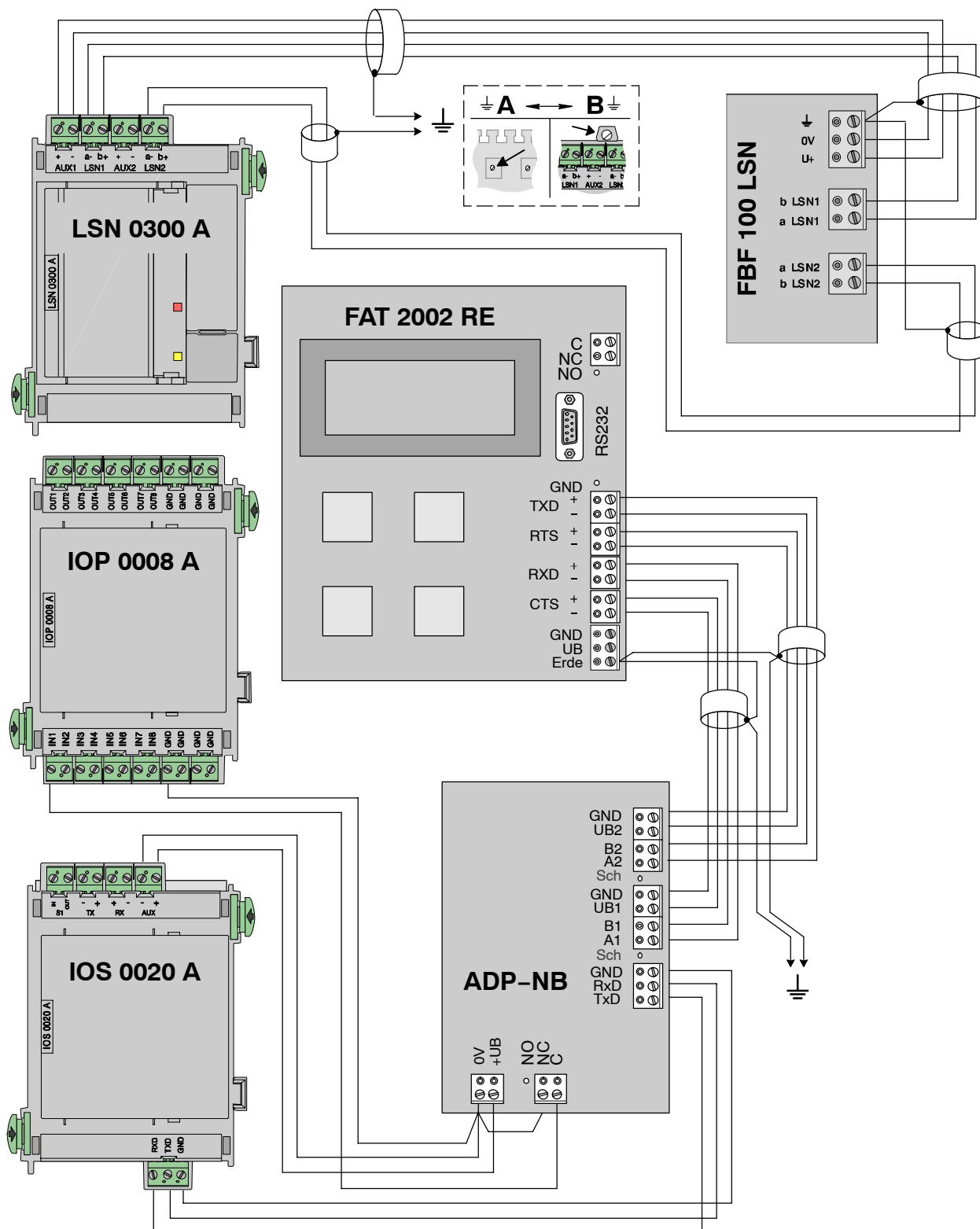
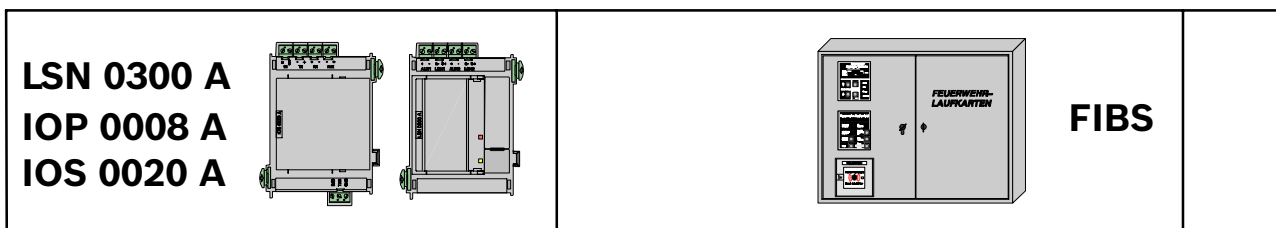
NSB 100 LSN

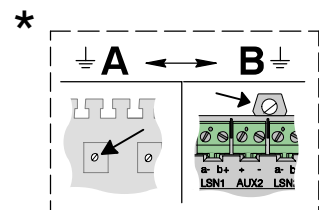
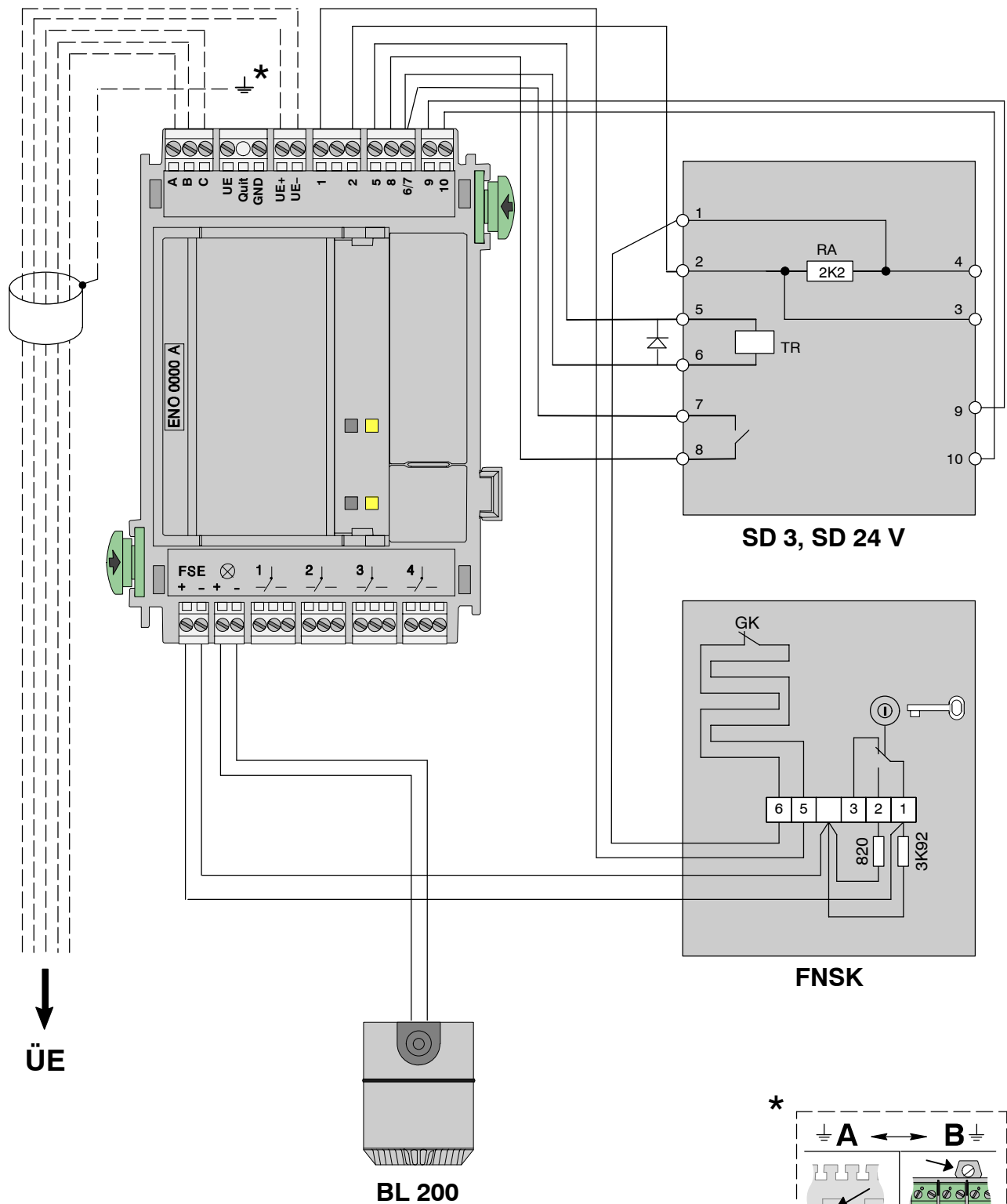
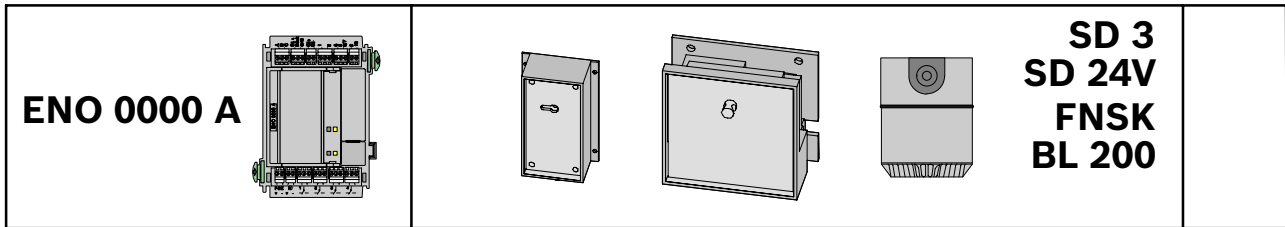


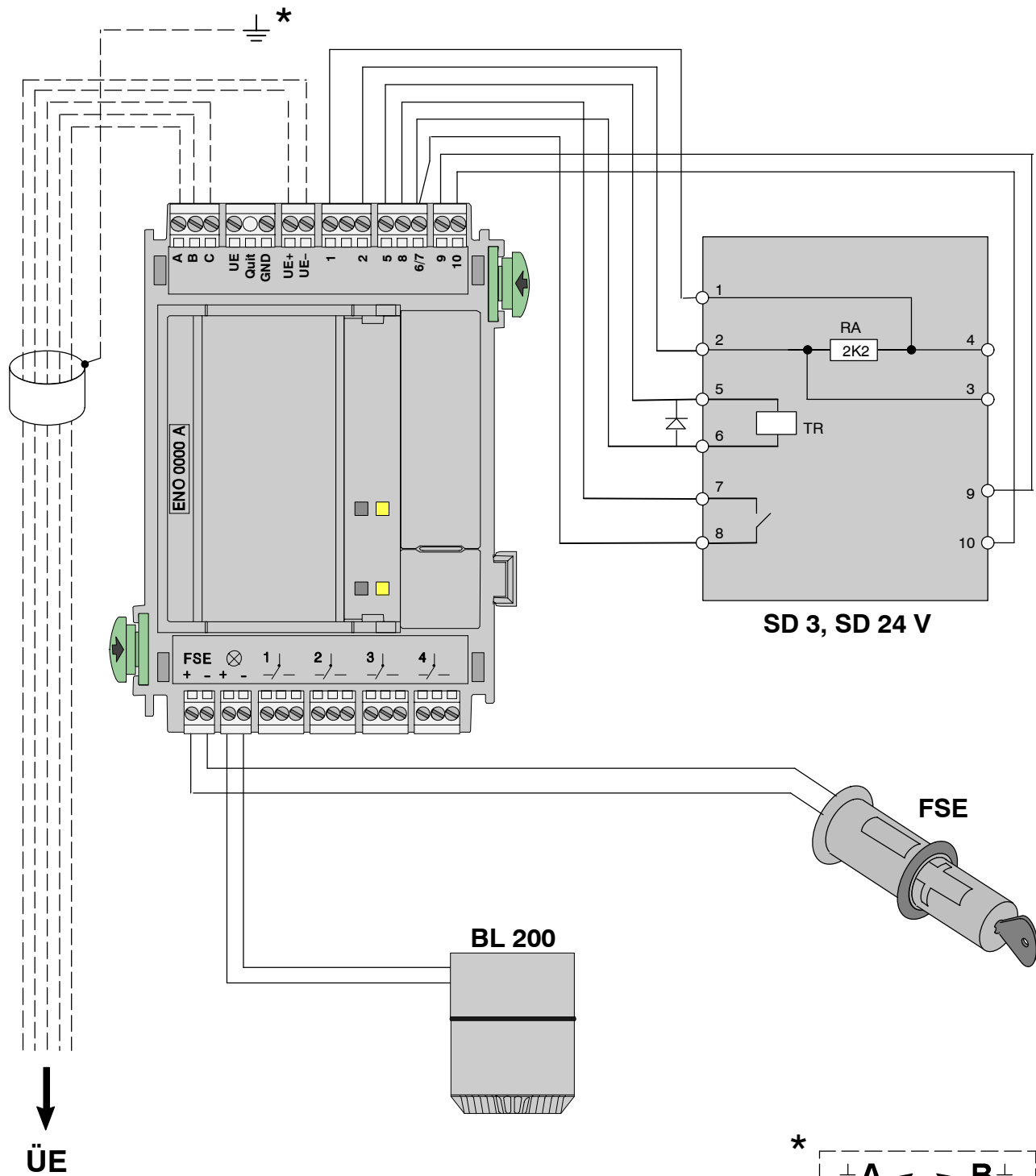
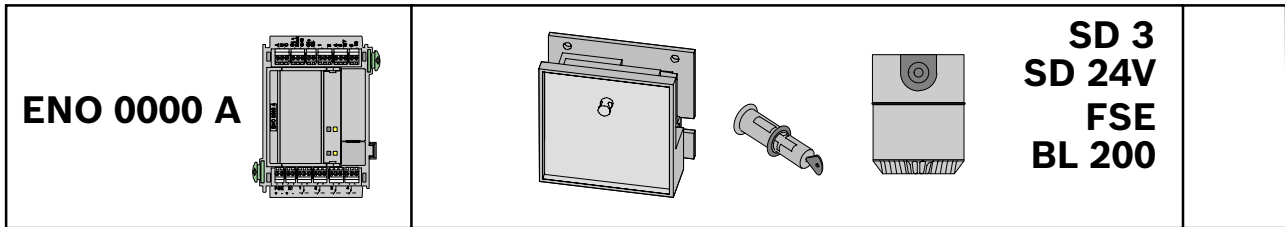




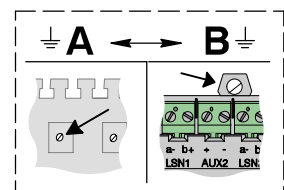


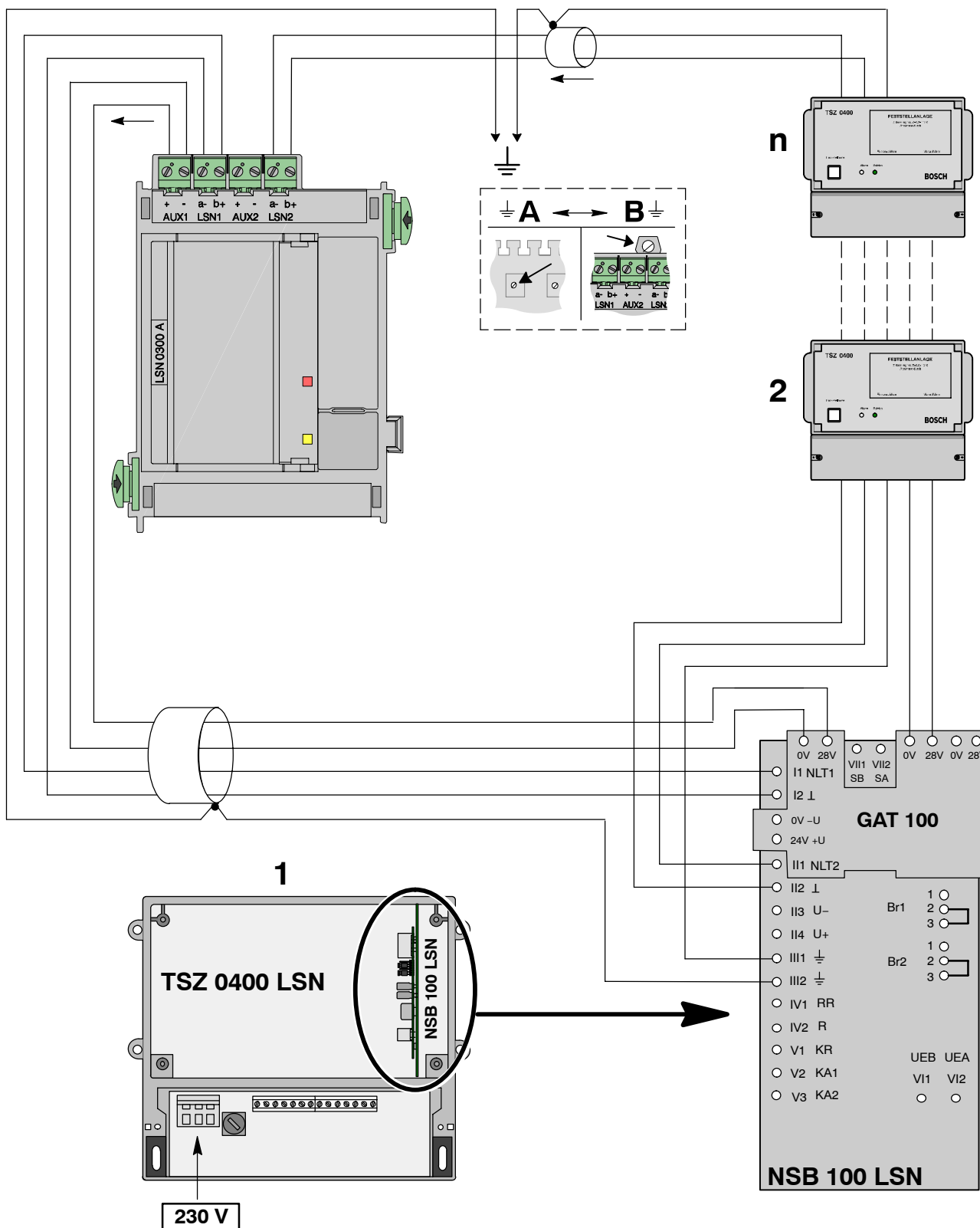


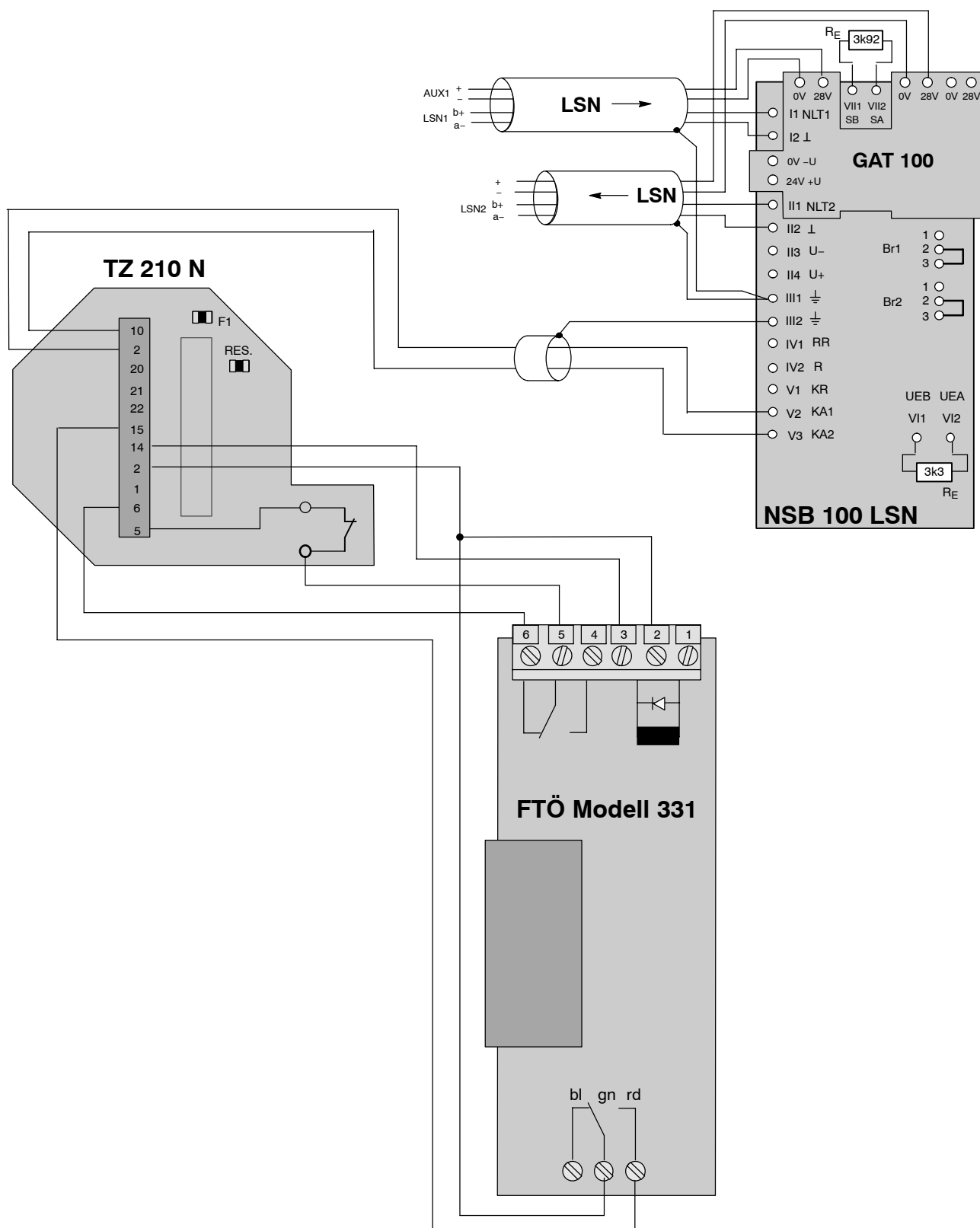
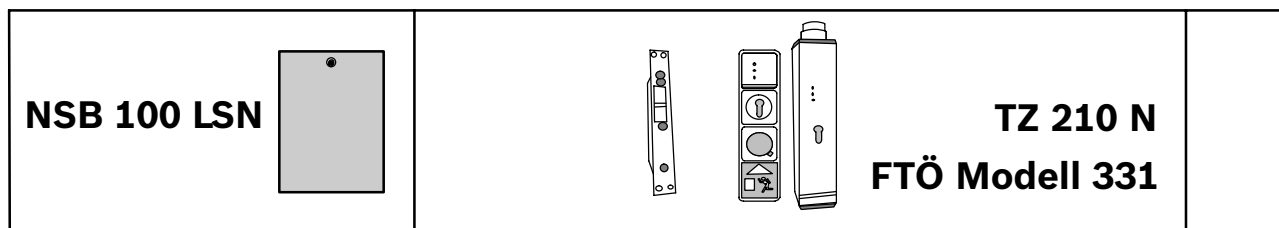


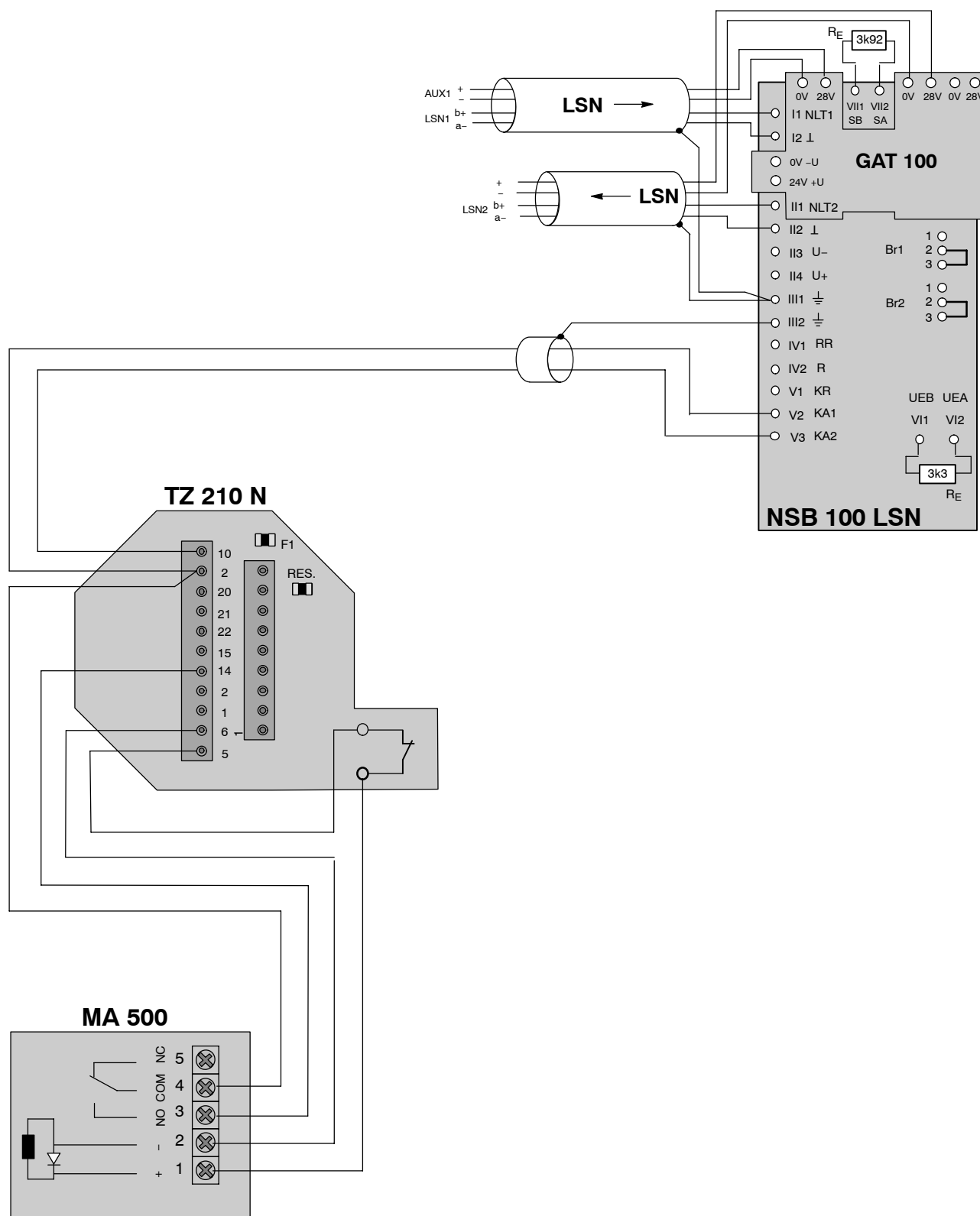
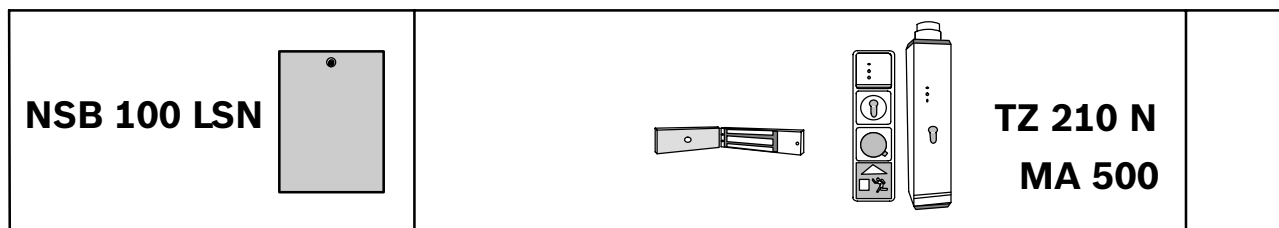


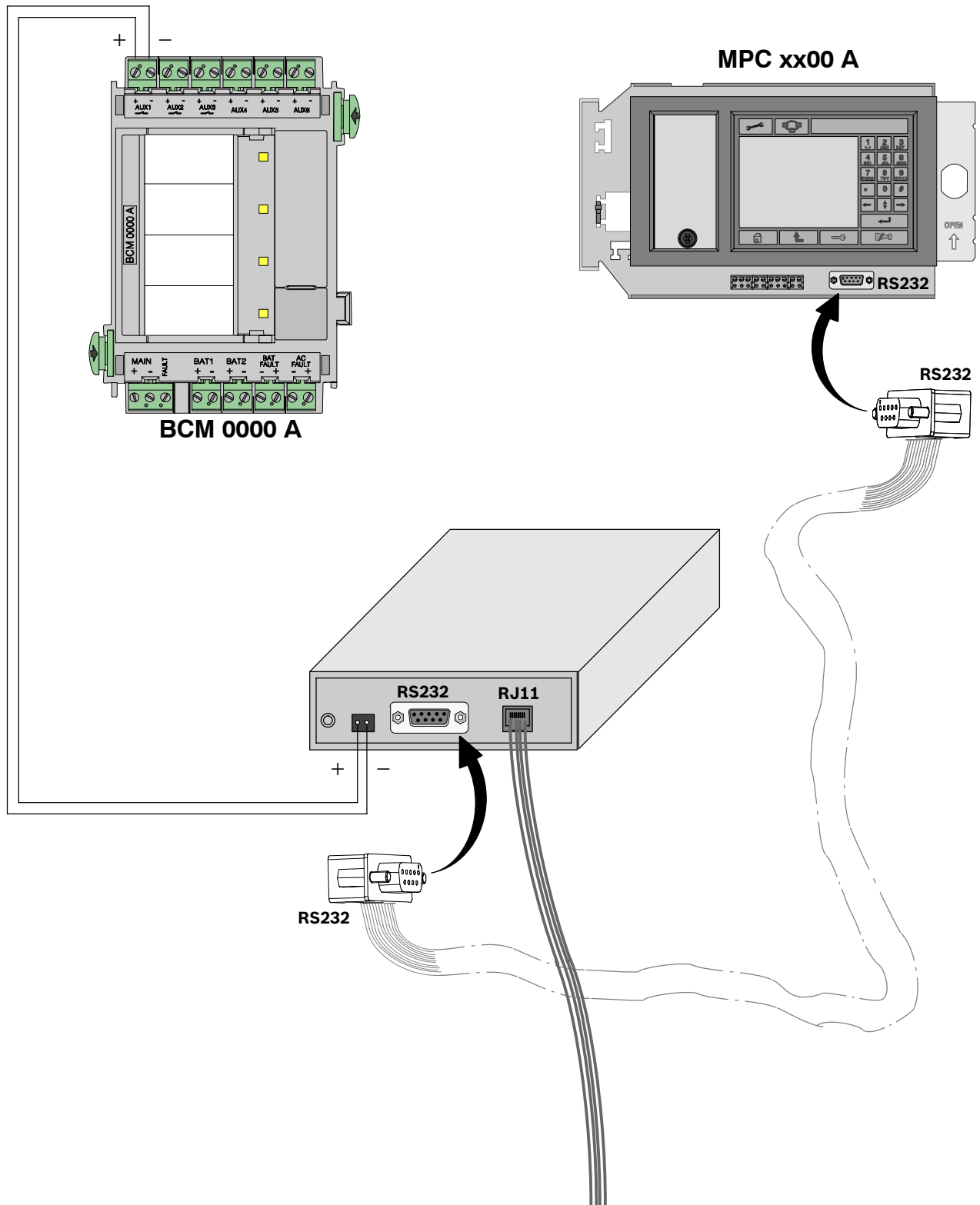
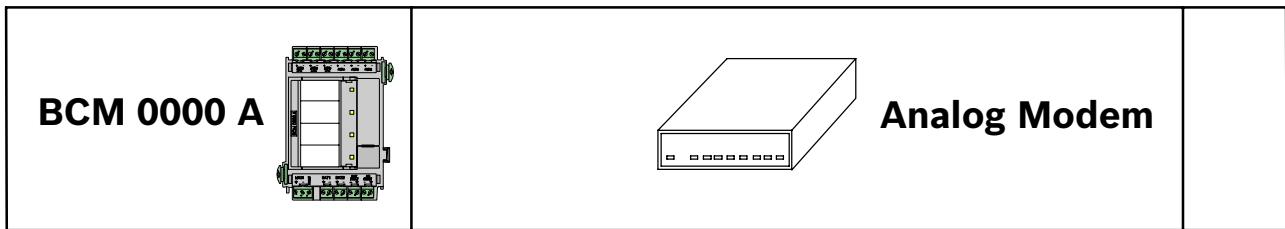
*



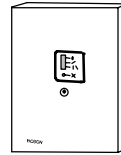
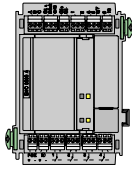




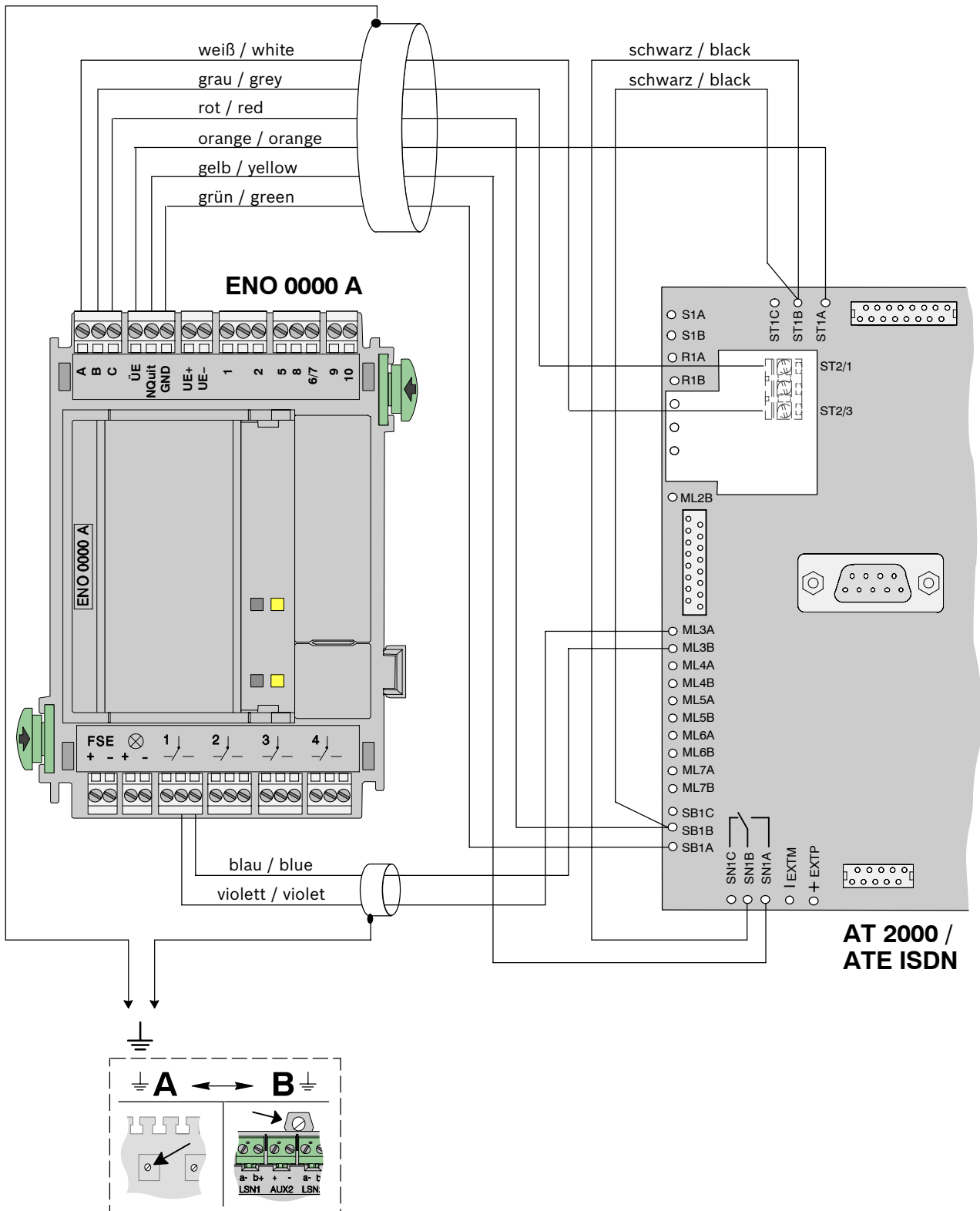


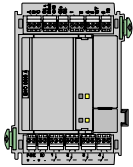
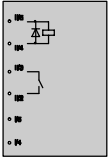


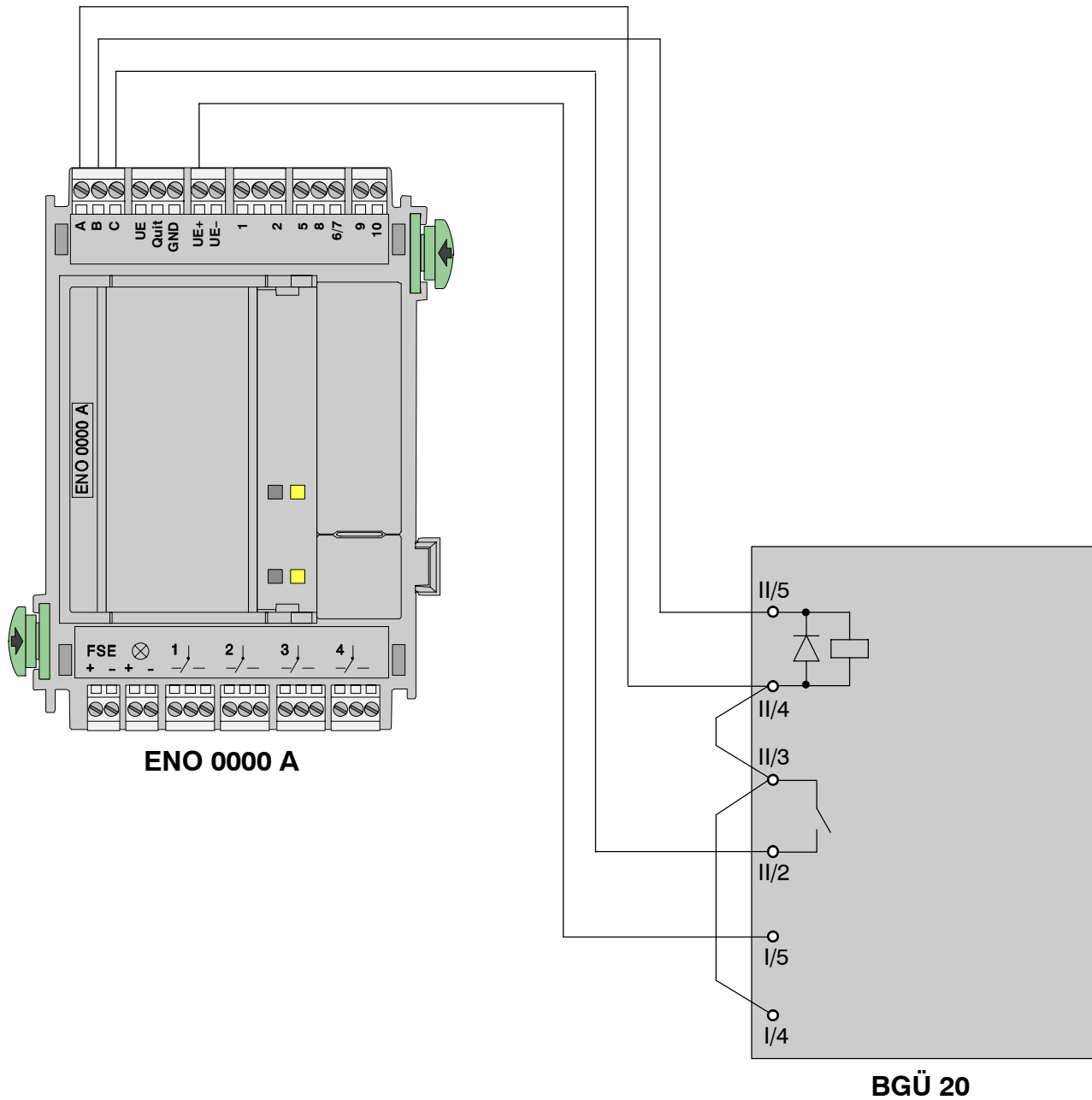
ENO 0000 A

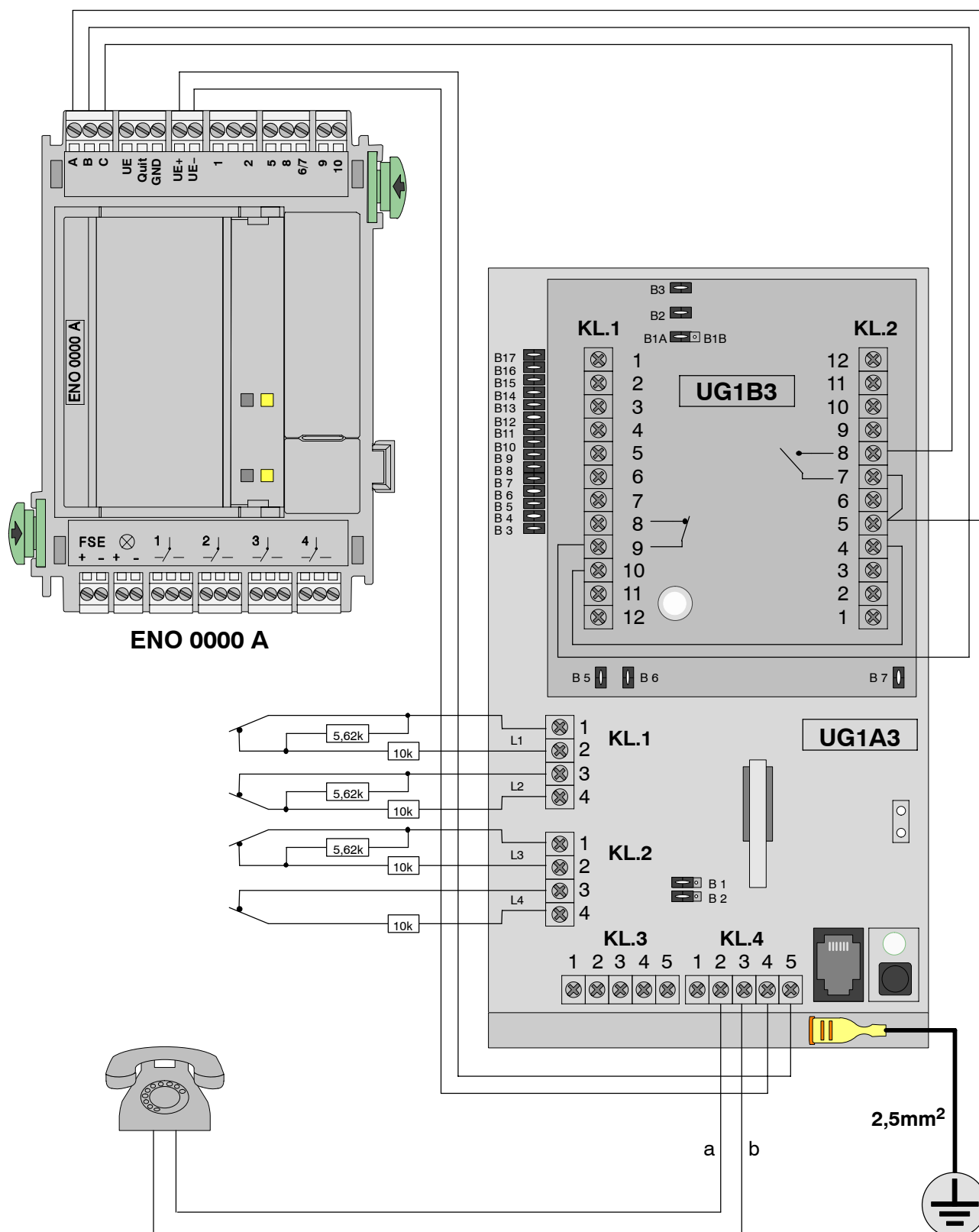


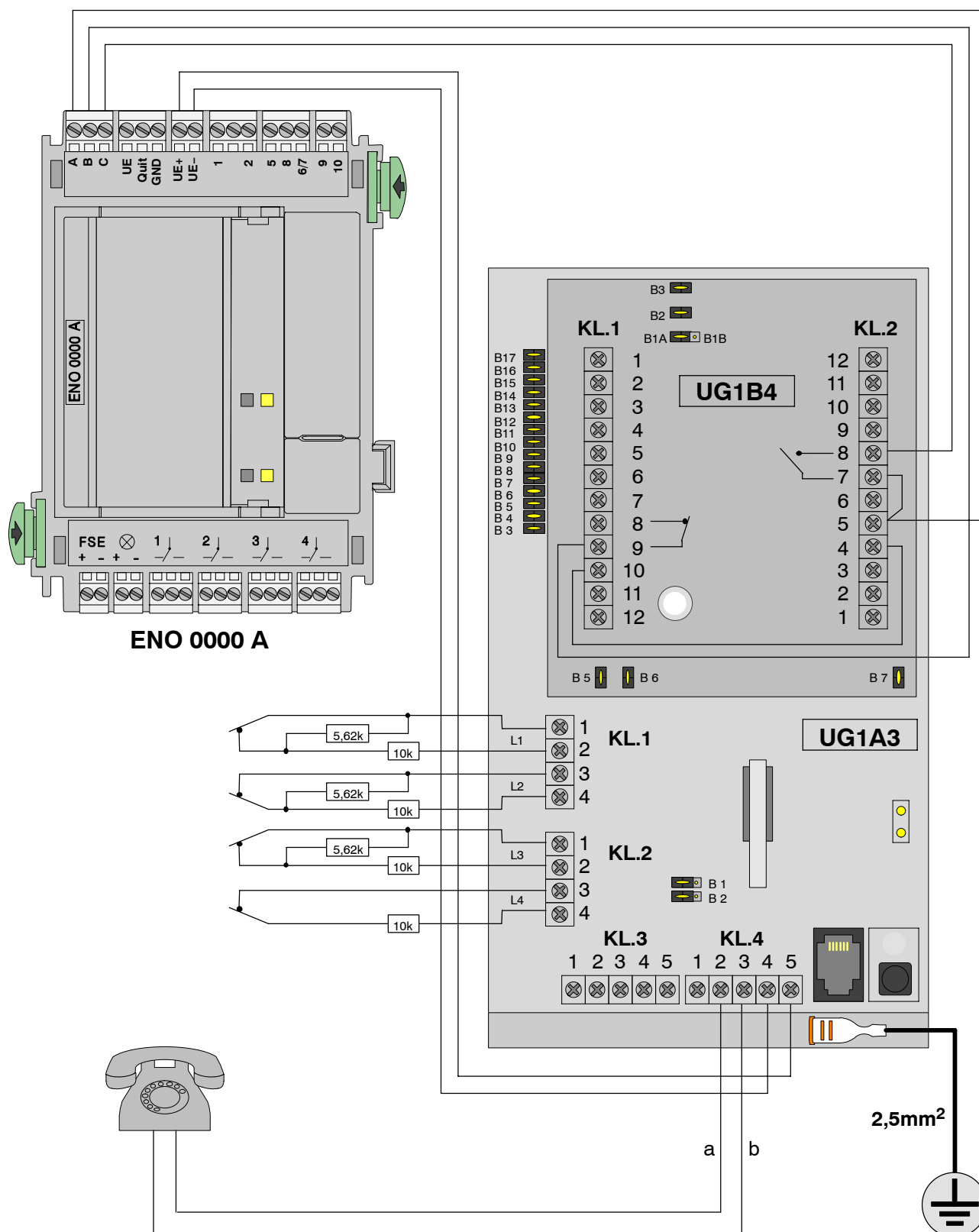
AT 2000 Analog
AT 2000 ISDN
ATE ISDN

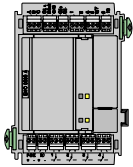
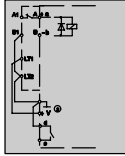


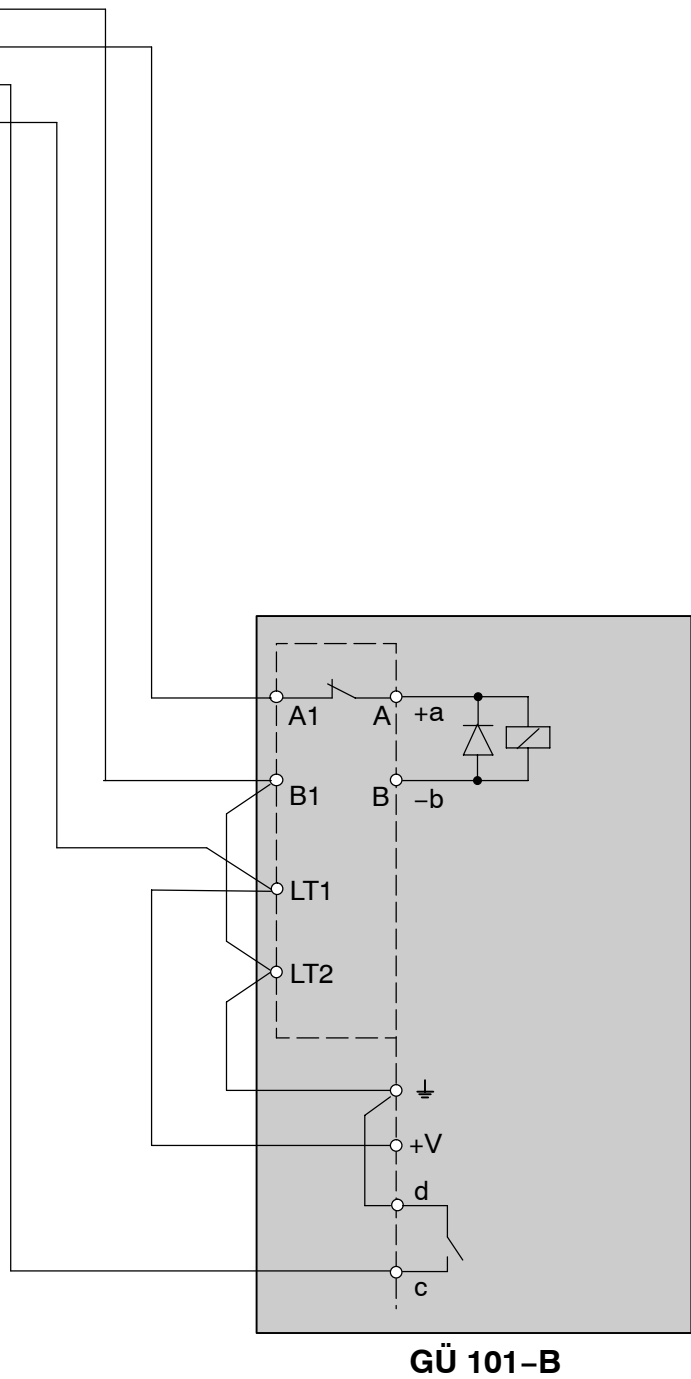
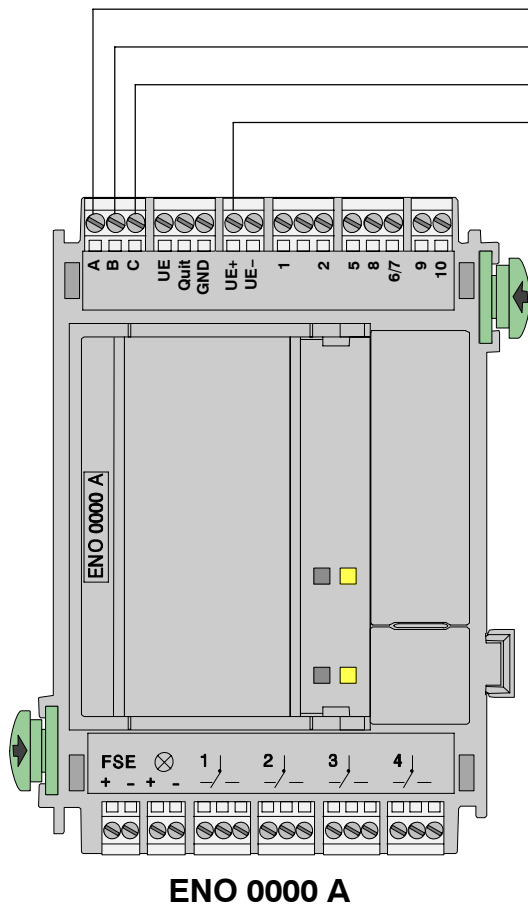
 ENO 0000 A	 BGÜ 20 - Typ G/H	
--	--	--

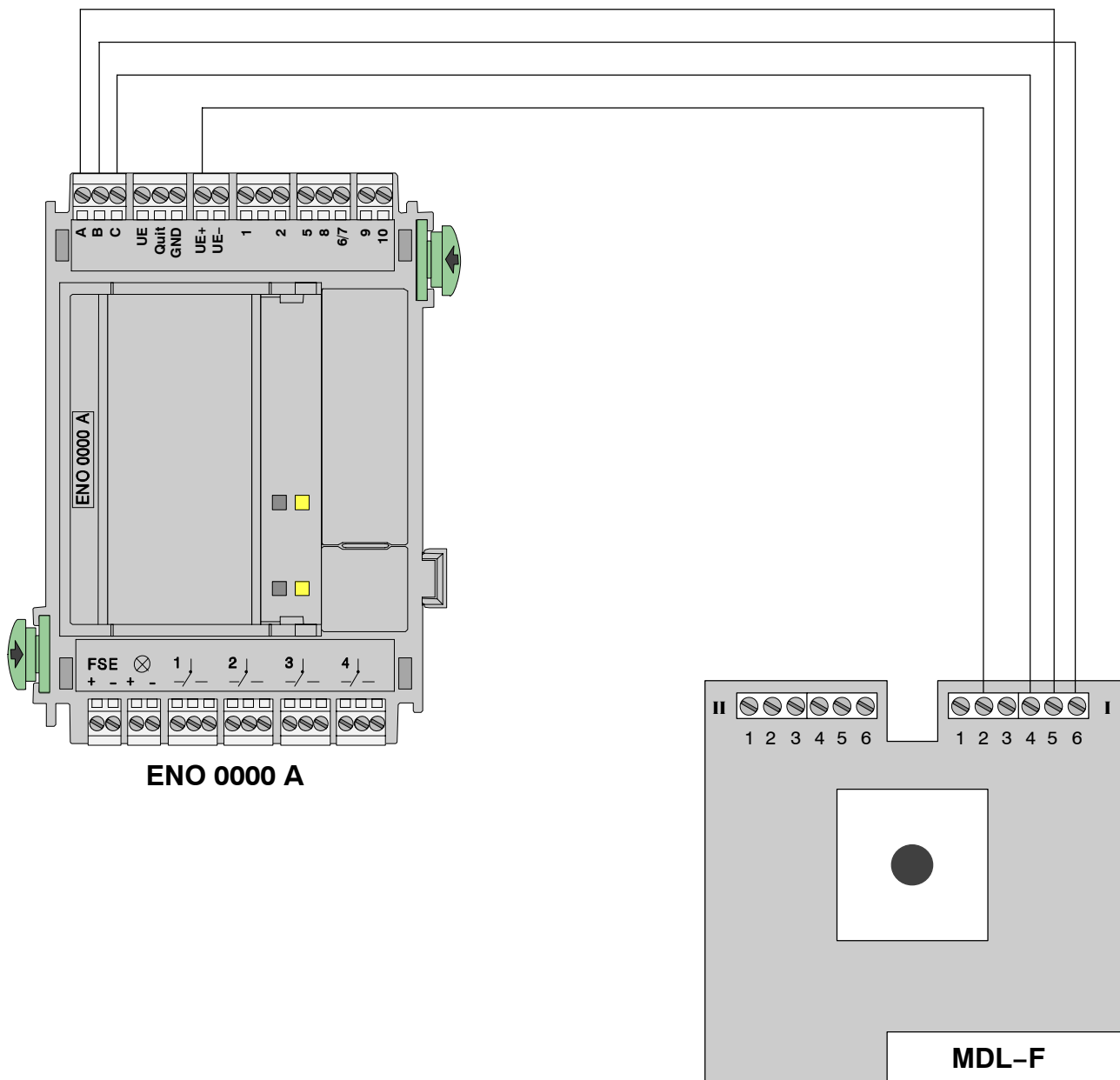
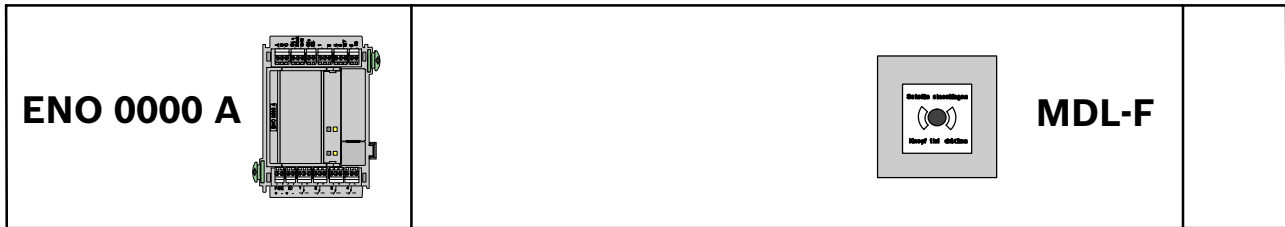


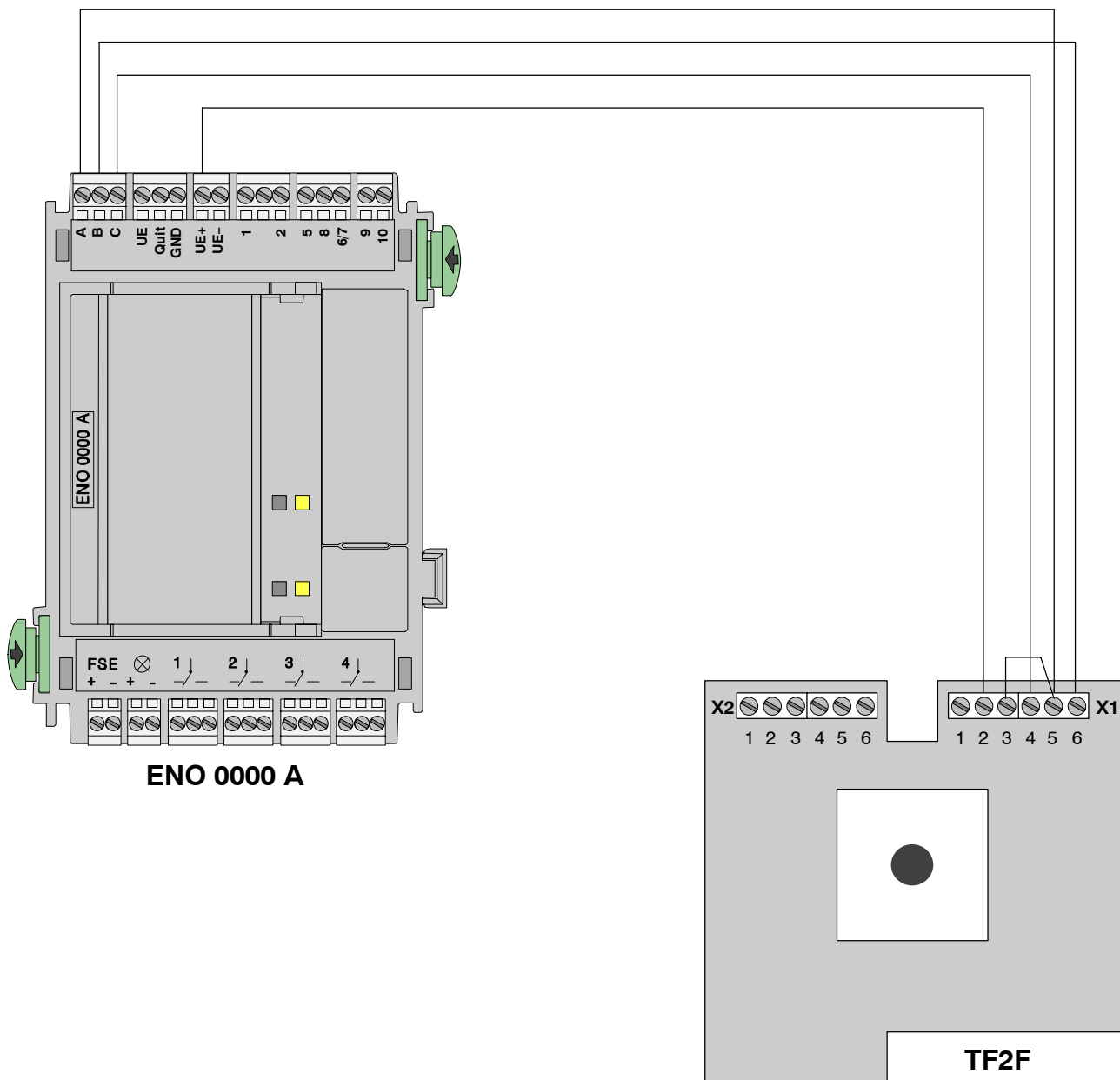
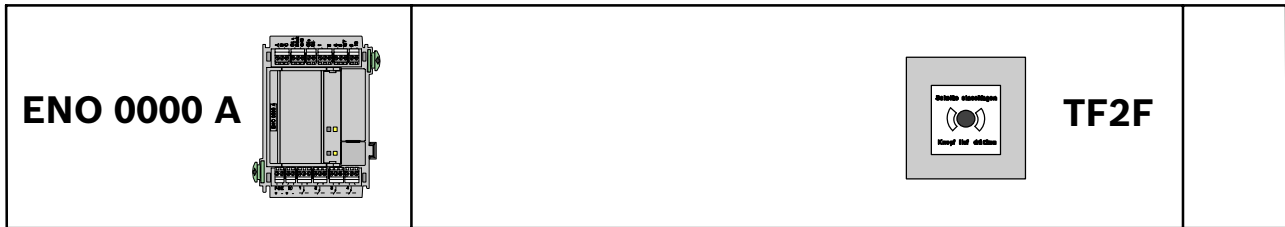


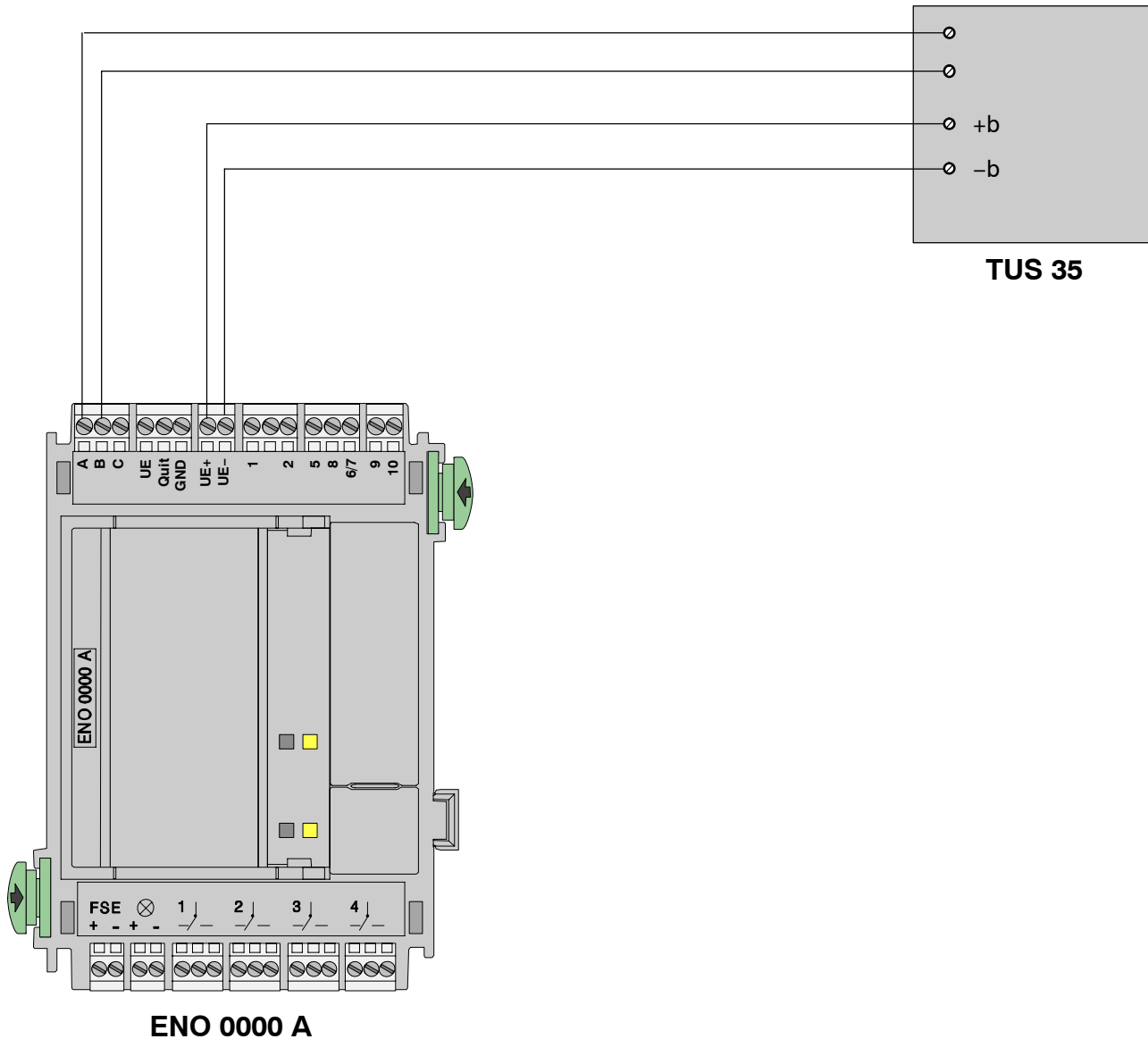
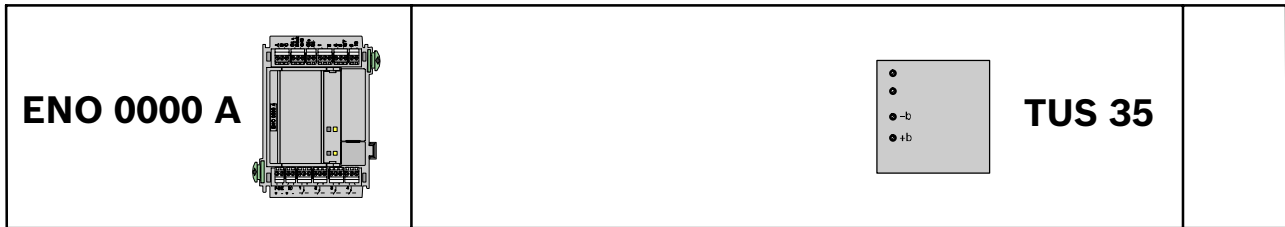


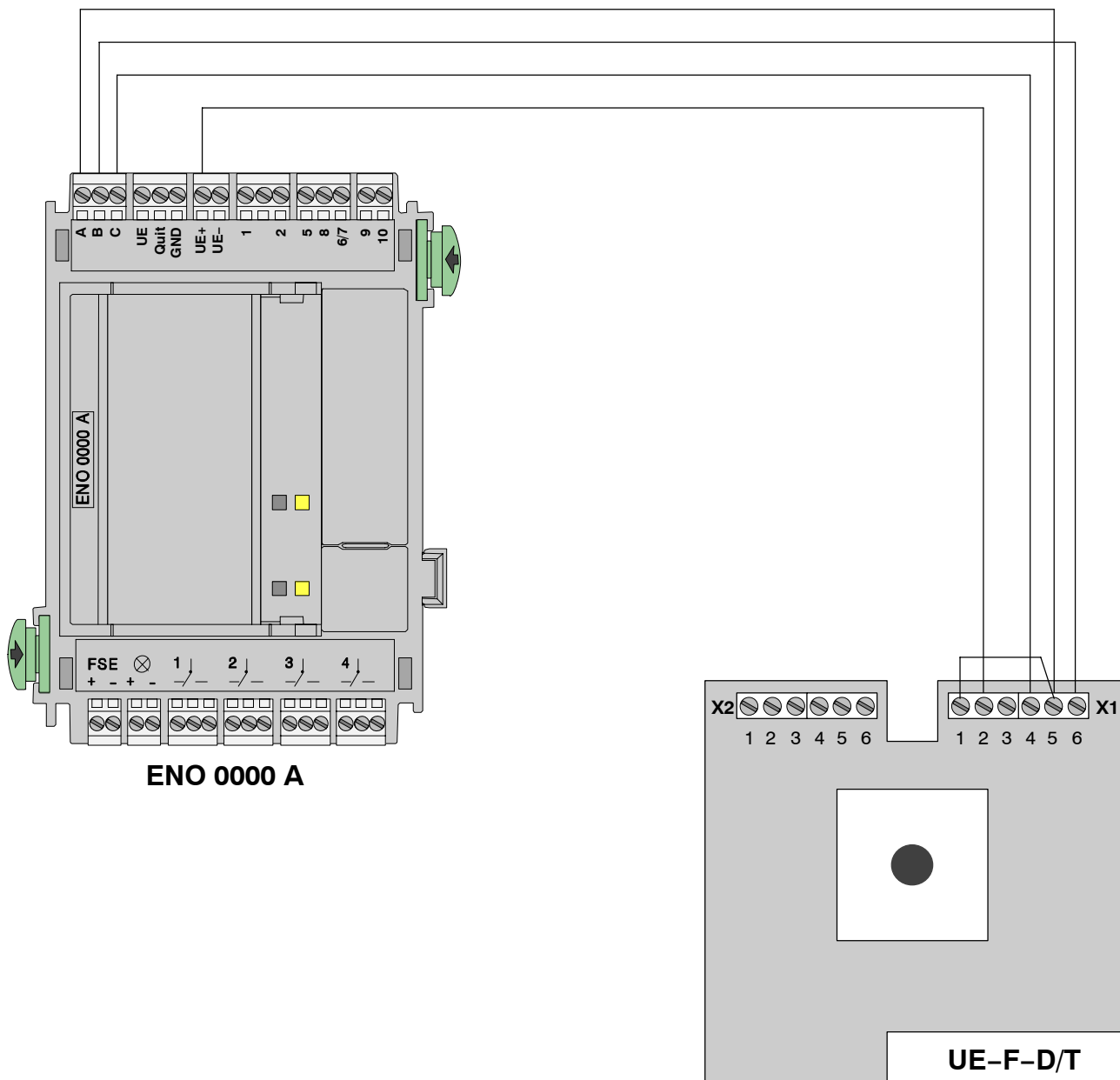
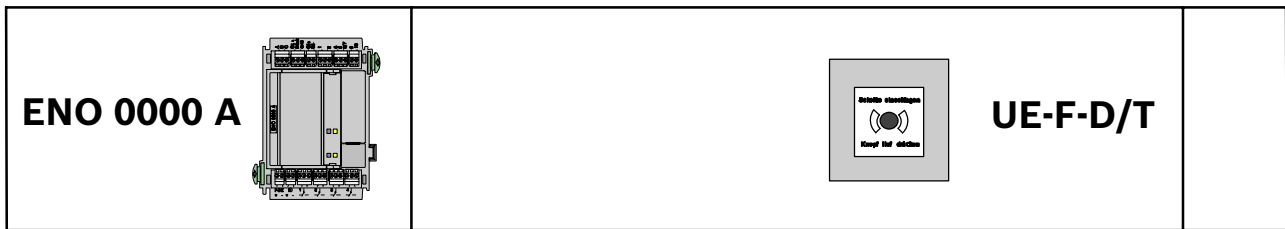
 ENO 0000 A	 GÜ 101-B	
--	---	--











[illegible]

BOSCH

**Bosch Sicherheitssysteme GmbH
Robert-Koch-Straße 100
D-85521 Ottobrunn**

**www.boschsecuritysystems.com
info.service@de.bosch.com**



BOSCH