



BatteryGuide

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1 Verwendete Pufferbatterie

Da in die Geräte der MAGNA Telemotive GmbH eine Batterie eingebaut ist, müssen diese beim Versand angegeben werden. Die benötigten Daten und Unterlagen zur Bestimmung des verbauten Batteriemodells finden Sie in diesem Dokument.

1.1 Liste der verbauten Batterien

List of used battery cells in MAGNA Telemotive data loggers					
Product line	blue PiraT2	blue PiraT2 5E	blue Pirat Mini	blue PiraT	Blue PiraT Rapid
Model name	150M14C8LFR 25M24C8LFR 14C6S8L	150M5E14C 25M5E24C 14C5E6S	CAN LIN FlexRay MOST	Remote Remote Control Touch	100 + 1000 +
Mainboard version	1.1, 1.2, 1.3, 1.4 and 1.5	2.0, 2.1	2.1	2.1	1.1, 1.2, 1.3, 1.4
Internal batteries	1	1	1	1	1
Type	Lithium coin cell battery	Lithium coin cell battery	Lithium coin cell battery	Lithium coin cell battery	Lithium coin cell battery
Manufacturer	Renata	Renata	Maxell	Maxell	Renata
Model	CR 2430	CR 1632	CR2032	CR2032	CR2450-N
Rated capacity	285 mAh	125 mAh	220 mAh	220 mAh	540 mAh
Nominal voltage	3V	3V	3V	3V	3V
Energy content	855 mWh	375 mWh	660 mWh	660 mWh	1620 mWh
Average weight	4,1 g	1,8 g	3,0 g	3,0 g	5,9 g
Lithium content	0,08g	0,04 g	0,07 g	0,07 g	0,16 g
Diameter	24,5mm	16,0 mm	20,0 mm	20,0 mmm	24,5 mmm
Height	3,0 mm	3,2 mm	3,2 mm	3,2 mm	5,0 mm
UN 38.3, Part III Test pass	Yes	Yes	Yes	Yes	Yes

1.2 Datenblätter und Versandanleitung

Eine Anleitung des Herstellers: **renata – Batterieversandanleitung:**

https://www.renata.com/fileadmin/downloads/Transport_Manual_2021.pdf

Hier finden Sie den Link zum **Datenblatt** incl. **Testreport nach UN 38.3** :

https://www.renata.com/fileadmin/downloads/ASDS_Lithium_Metal.pdf

Sowie das **Lithium Battery Guidance Document**, das jedem Paket beigelegt werden muss

<https://www.iata.org/contentassets/05e6d8742b0047259bf3a700bc9d42b9/lithium-battery-guidance-document-2021.pdf>

1.3 Aufkleber: Class 9 lithium battery hazard label

Wie im **Battery Guidance Document**, auf Seite 13 beschrieben, muss jedes Paket mit einem Aufkleber gekennzeichnet werden.

Die auf dem Aufkleber anzugebene UN Nummer ist: **UN 3091**

Lithium Battery Mark (7.1.5.5)

IATA DGR 59th Edition – Figure 7.1.C



*Place for UN number(s)

**Place for telephone number for additional information

2 Mounted buffer battery

Since a battery is installed in the devices of MAGNA Telemotive GmbH, these must be indicated when shipping. The required data and documents for determining the installed battery model can be found in this document.

2.1 List of batteries, used in our data loggers

List of used battery cells in MAGNA Telemotive data loggers

Product line	blue PiraT2	blue PiraT2 5E	blue Pirat Mini	blue PiraT	Blue PiraT Rapid
Model name	150M14C8LFR 25M24C8LFR 14C6S8L	150M5E14C 25M5E24C 14C5E6S	CAN LIN FlexRay MOST	Remote Remote Control Touch	100 + 1000 +
Mainboard version	1.1, 1.2, 1.3, 1.4 and 1.5	2.0, 2.1	2.1	2.1	1.1, 1.2, 1.3, 1.4
Internal batteries	1	1	1	1	1
Type	Lithium coin cell battery	Lithium coin cell battery	Lithium coin cell battery	Lithium coin cell battery	Lithium coin cell battery
Manufacturer	Renata	Renata	Maxell	Maxell	Renata
Model	CR 2430	CR 1632	CR2032	CR2032	CR2450-N
Rated capacity	285 mAh	125 mAh	220 mAh	220 mAh	540 mAh
Nominal voltage	3V	3V	3V	3V	3V
Energy content	855 mWh	375 mWh	660 mWh	660 mWh	1620 mWh
Average weight	4,1 g	1,8 g	3,0 g	3,0 g	5,9 g
Lithium content	0,08g	0,04 g	0,07 g	0,07 g	0,16 g
Diameter	24,5mm	16,0 mm	20,0 mm	20,0 mmm	24,5 mmm
Height	3,0 mm	3,2 mm	3,2 mm	3,2 mm	5,0 mm
UN 38.3, Part III Test pass	Yes	Yes	Yes	Yes	Yes

2.2 Data sheets and transport manual

A manual from the manufacturer: **renata – Battery transport and handling manual:**

https://www.renata.com/fileadmin/downloads/Transport_Manual_2021.pdf

Here you find a link to the datasheet including **test report for UN 38.3** :

https://www.renata.com/fileadmin/downloads/ASDS_Lithium_Metal.pdf

And the **Battery Guidance Document** which must be added to every package

<https://www.iata.org/contentassets/05e6d8742b0047259bf3a700bc9d42b9/lithium-battery-guidance-document-2021.pdf>

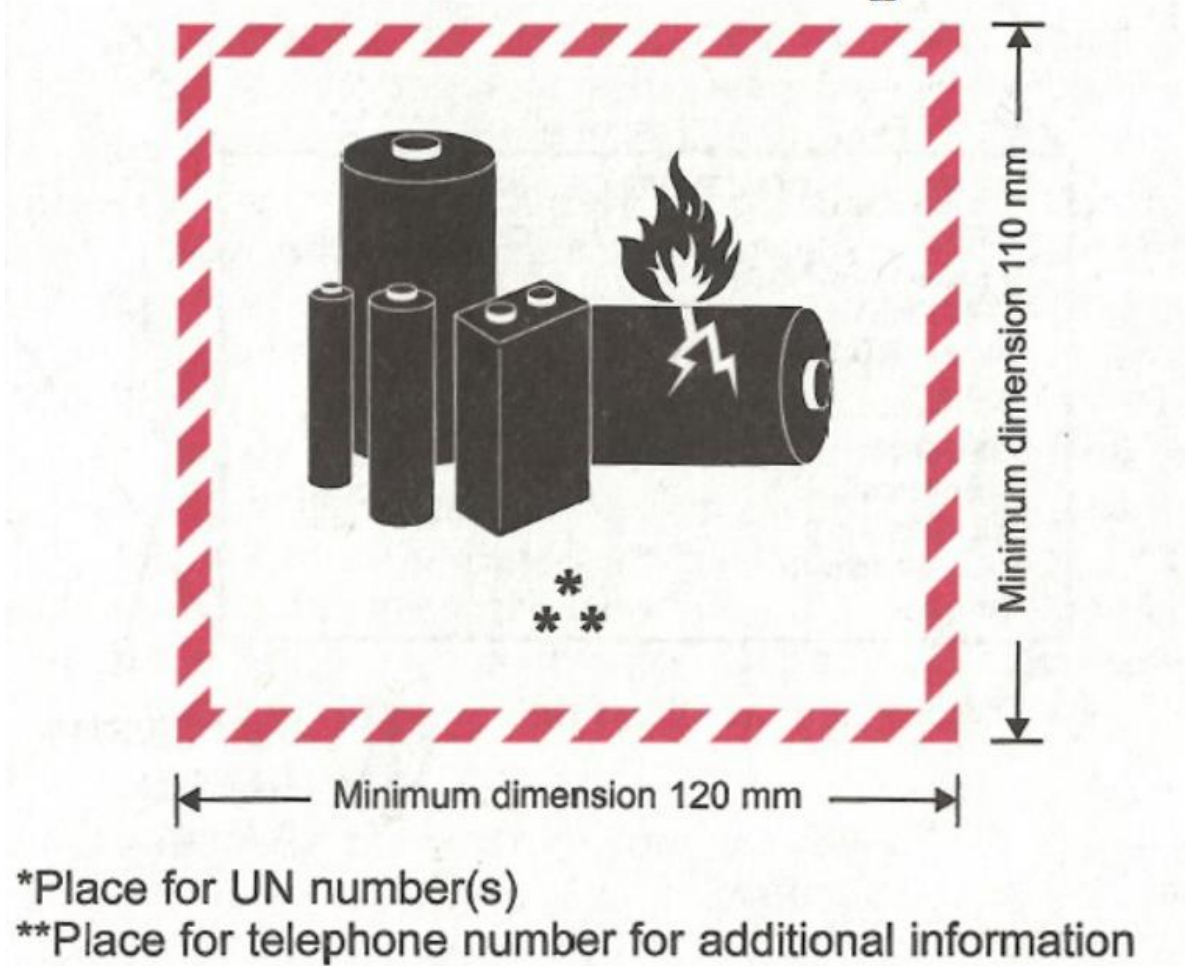
2.3 Label: Class 9 lithium battery hazard label

As listed at page 13 in **Battery Guidance Document**, every package has to be marked with a label.

The UN number which must be written to the label is: **UN 3091**

Lithium Battery Mark (7.1.5.5)

IATA DGR 59th Edition – Figure 7.1.C



3 Kontakt / Contact



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Technische Änderungen im Rahmen von Produktverbesserungen und Irrtümer vorbehalten.