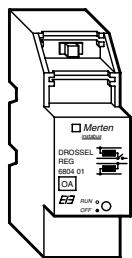


**Choke REG**

**Colour**      **Article No.**  
light grey      680401

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**1. Function**

For isolating the power supply from the bus. The choke prevents the data telegrams from being short-circuited by the power supply. The safety extra-low voltage SELV DC 29 V is applied to the two outer printed conductors of the data rail via the data rail connector REG/4 (Article No. 680602, plug-in terminals at the bottom). The choke couples this direct voltage to the two inner printed conductors of the data rail. The bus voltage is picked up via the connector REG/4 (plug-in terminals at the top) and connected to the bus cable with a bus connecting terminal.

With a switch for interrupting the voltage and for resetting the bus devices that are connected to the line.

**i** The disconnection of a line (RESET) should be carried out for at least 30 seconds.

**2. Installation**

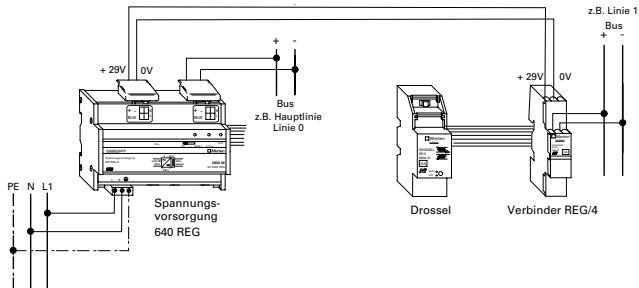
The 29 V direct voltage is picked up on the power supply 640 REG-K via the lateral bus connecting terminal. The choke must be mounted on the data rail whose supply voltage has been connected via the lower plug-in terminal of the 4-gang connector.

For installation on DIN rails EN50022-35x7.5 with data rail inserted.

### 3. Technical Data

Nominal voltage:	DC 29 V
Nominal current:	DC 500 mA
Max.current	DC 1.5 A
Connections	
Power supply:	pressure contacts on the base for connection to the data rail (outer printed conductor)
Bus:	pressure contacts on the base for connection to the data rail
Display elements:	red monitoring LED for interrupting the voltage after pressing the slide switch (inner printed conductor)
Operating elements:	Slide switch: for interrupting the voltage and for resetting the bus devices connected to the line (operation > 10 s)
Type of protection:	IP 20
EC guidelines:	corresponds to low voltage guideline 73/23/EEC, corresponds to EMC guideline 89/336/EEC
Dimensions:	90x36x61 mm (HxWxD)
Device width	2 modules = 36 mm

### Connection example



### 4. Settings in the EIB Tool Software (ETS)

#### Selection in the product database

Manufacturer:	Merten
Product family:	1.1 System devices
Product type:	1.1.02 Choke
Media type:	Twisted Pair
Product name:	Choke REG
Order number:	680401