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**the expert for vintage  
BMW - motorcycles**



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## installation guide

voltage regulator 12 volts

part-no.: **9760301**

Dear customer,

you have purchased a high quality product from Ulis Motorradladen GmbH.

Please follow the installation instructions carefully.

Your Ulis Motorradladen GmbH team wishes you a safe journey at all times and lots of fun driving

### Advice:

- the regulator is ready to install in the place where the original regulator was mounted
- the external wire/ceramic resistor is no longer needed
- for extreme requirements, e.g. exclusive city operation with light, or operation with nickel-cadmium battery, the regulator voltage can be adjusted subsequently. **This should only be carried out by professionals!**

### Important information to avoid destroying the regulator:

- disconnect the battery before installing!
- before reconnecting the battery, carefully check all connections!
- do not reverse battery polarity!
- only operate the motor when the battery is connected! Operation without a battery can destroy the regulator!
- use ferrules. Shorten the metal sleeve to 6mm in order to prevent short circuit to housing!

### terminal pin assignment:

regulator terminal	DYNAMO
„D+“	blue cable 2,5mm <sup>2</sup> to connection plate (“+” terminal brush)
„61“	blue cable 0,75mm <sup>2</sup> to charging control bulb
„B+“	red cable 1,5mm <sup>2</sup> to battery “+”
„B+“	red cable 2,5mm <sup>2</sup> to light
„DF-“	black/red cable 1,5mm <sup>2</sup> to field winding connection
„GND“	brown cable 1,5mm <sup>2</sup> ground connection (housing is connected to GND, too)