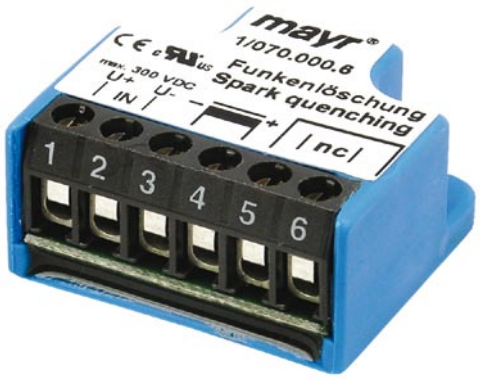
# Spark Quenching Unit Type 070.000.6

## Application

Reduces spark production on the switching contacts occurring during DC-side switch-off of inductive loads.

- Voltage limitation according to VDE0580 2000-07, Item 4.6.
- Reduction of EMC-disturbance by voltage rise limitation, suppression of switching sparks.
- Reduction of brake engagement times by a factor of 2-4 compared to free-wheeling diodes.

E189728



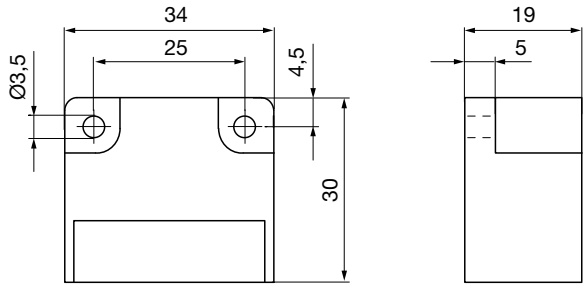

## Function

The spark quenching unit will absorb voltage peaks resulting from inductive load switching, which can cause damage to insulation and contacts. It limits these to 70 V and reduces the contact load. Switching products with a contact opening distance of > 3 mm are suitable for this purpose.

## Electrical Connection (Terminals)

1 (+) Input voltage
2 (–) Input voltage
3 (–) Coil
4 (+) Coil
5 Free nc terminal
6 Free nc terminal

## Dimensions (mm)




## Technical Data

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|---|---|
| Input voltage | max. 300 VDC, max. 615 $V_{peak}$ (rectified voltage 400 VAC, 50/60 Hz) |
| Switch-off energy | max. 9 J/2 ms |
| Power dissipation | max. 0,1 Watt |
| Max. voltage nc terminals | 250 V |
| Protection | IP65 / IP20 terminals |
| Ambient temperature | -25 °C up to +85 °C |
| Storage temperature | -25 °C up to +105 °C |
| Max. conductor connection diameter | 2,5 $mm^2$ / AWG 26-12 |
| Max. terminal tightening torque | 0,5 Nm |

## Accessories

Mounting bracket set for 35 mm rail acc. DIN EN 60715
Article-No. 1803201

## Order Number

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|---|
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| **Size** |
| **1** |