



Carbon Technology

Industrial Motors and Mass Transit Technology

Carbon Brushes - Order Guide



Carbon Brushes - Order Guide

With this information sheet we like to give our customers a tool to facilitate the order procedures of carbon brushes. It will show on the following pages the information required, to enable us to suggest the most appropriate carbon design and carbon grade for your application. It further assures a speedy and smooth handling of any order.

The easiest and fastest way for us to determine the correct design, is to receive a new or used sample of your present brush. This will eliminate the need to furnish other pertinent information regarding the proper design.

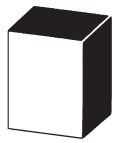
Should it however not be possible to provide an actual sample, we kindly request as much information as possible. This order guide will be a tool to help establish the required data.

We kindly ask you to fill out the Carbon Brush Order Guide as complete as possible and record in particular the presently used carbon grade.

Our manufacturing program covers carbon brushes for any possible electro motor application. Many styles are available ex stock on short notice.

For carbon brushes with attachments we reserve the right to provide the most suitable method of mounting between carbon brush and shunt, and between shunt and shunt-terminal.

Block brushes, without shunts



1



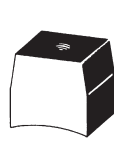
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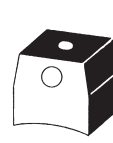
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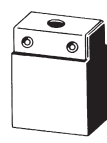
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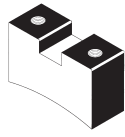
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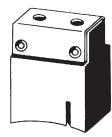
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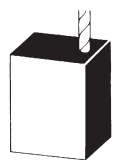


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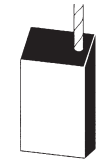


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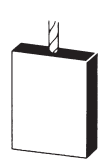
Block brushes, one shunt



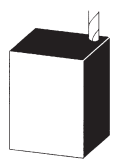
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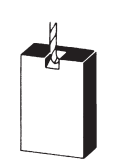
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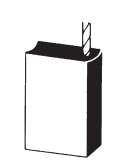
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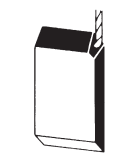
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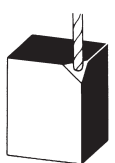
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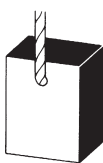
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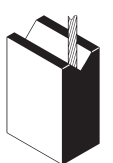
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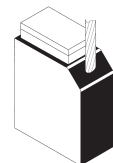
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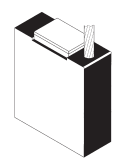
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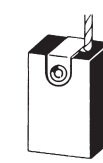
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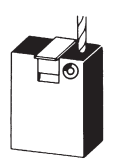
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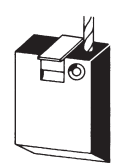
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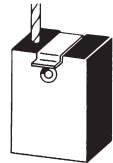
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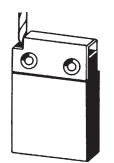
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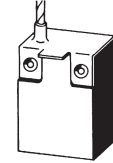
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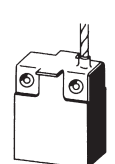
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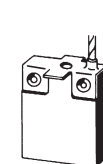
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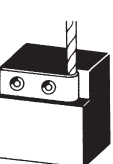
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58



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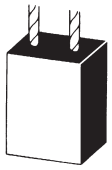
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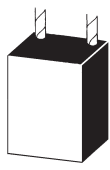
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(Sandwich brush) (Sandwich brush)

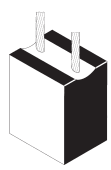
Block brushes, two or more shunts



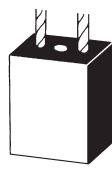
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62a



63



64



65



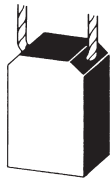
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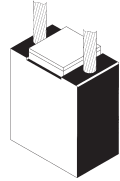
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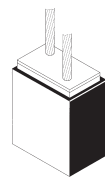
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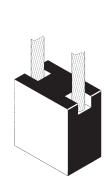
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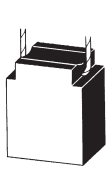
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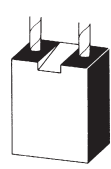
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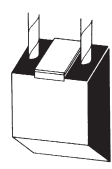
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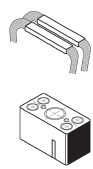
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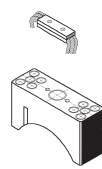
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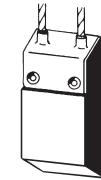
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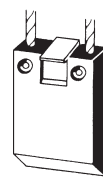
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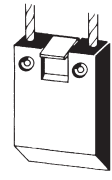
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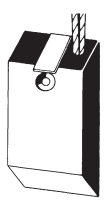
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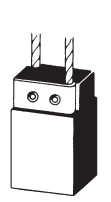
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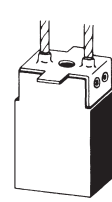
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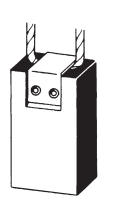
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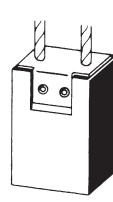
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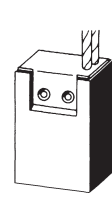
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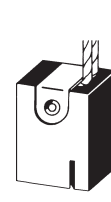
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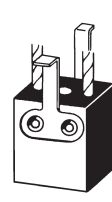
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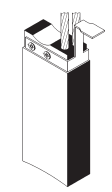
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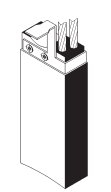
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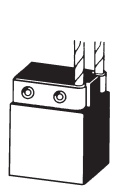
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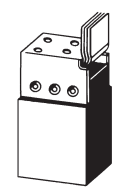
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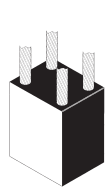
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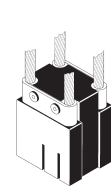
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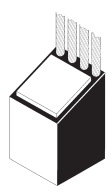
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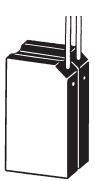


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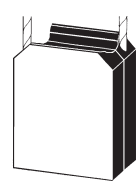
Twin brushes



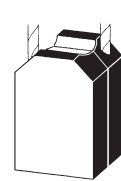
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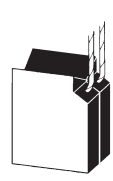
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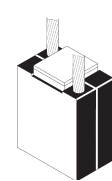
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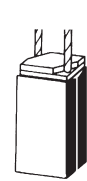
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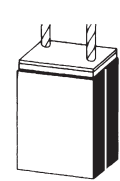
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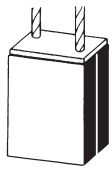


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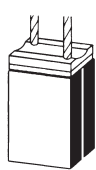


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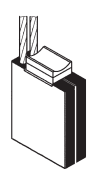
Twin brushes or split brushes



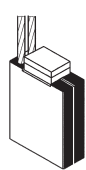
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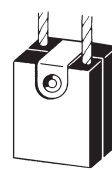
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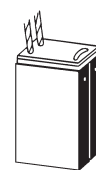
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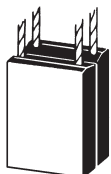
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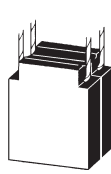
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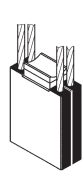
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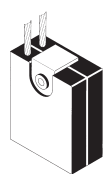
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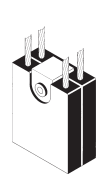
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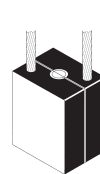
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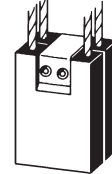
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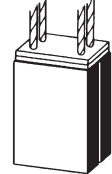
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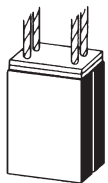
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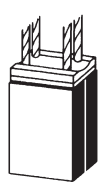
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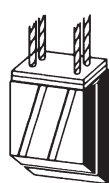
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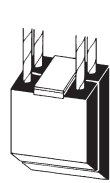
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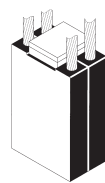
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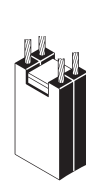
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168



169

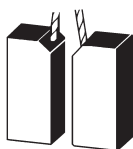


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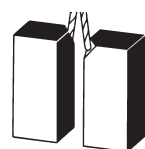
Pair brushes



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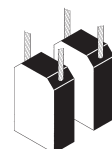
109



110



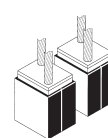
152



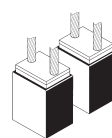
153



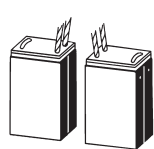
113



147



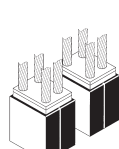
149



134



135



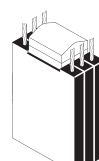
148

Block brush - triple mounted



112

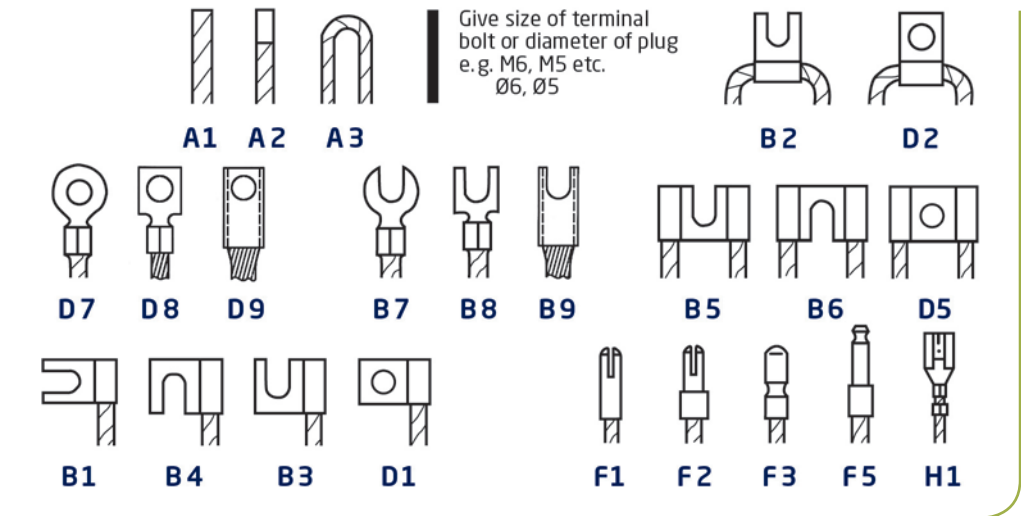
Triple brush



164

Shunt

- Terminal
- Design

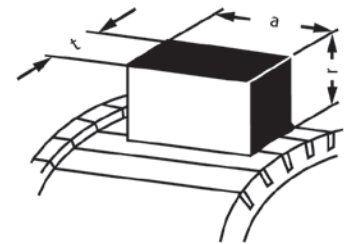
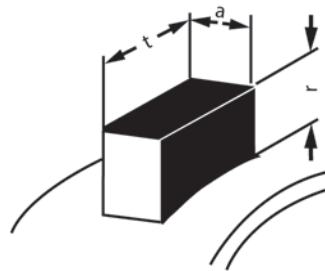


Brush Dimensions

The dimensions of carbon brushes are measured in the following sequence

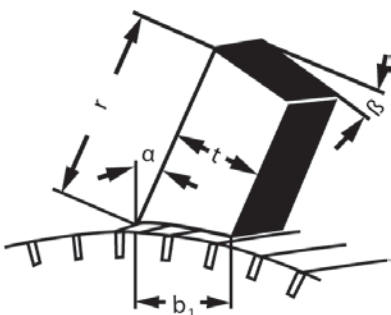
t x a x r

- t = tangential (in direction of circumference - i. e. thickness)
- a = axial (in direction of axle - i. e. width)
- r = radial (in direction of diameter - i. e. length, incl. head plate)

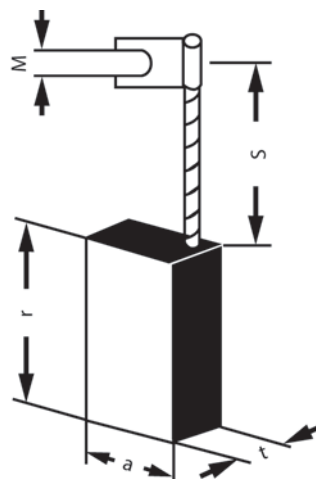


Please be request to indicate the dimensions in this sequence.

If other than rectangular designs of carbon brushes are required, please indicate additional information, e. g. bevel of contact surface, contact surface slots, etc. For beveled brushes please specify the angle of running- and head-bevel.



For carbon brushes with fittings additional information is required. Please see the following **example**:



Explanation:
 S = Shunt length, measured from top of brush to center of terminal, respectively center of terminal bolt
 M = Size of terminal bolt, e. g. "M6"

Example

- Brush Design: Figure No. 26 (see page 3)
- Brush Dimension: t x a x r e. g. 10 x 25 x 32mm
- Shunt Length: S = e. g. 75mm
- Design of Terminal: e. g. Figure No. B1
- Width of Slot: e. g. 6 mm (M6)

Carbon Brushes

Order guide

Customer address

Name _____
 Street _____
 Postal Code _____
 City _____

RFQ / order no. _____
 Quantity _____
 Email _____

Brush design

Brush design
 Figure no. _____

Brush dimensions
 t _____ xa _____ xr _____ mm

Upper angle
 7,5° 15° 30°

Lower angle
 7,5° 15° 30°

if running surface radiused:
 Commutator \varnothing _____ mm
 Slipring \varnothing _____ mm

Flex
 Length _____ mm
 Insulation
 Tinned
 Plain

Terminal
 Figure no. _____
 Gap _____ mm
 Hole \varnothing _____ mm

Brush grade

(* to be completed, if grade unknown)

Machine manufacturer* _____

Commutator
 Slipring

Machine type*
 Motor
 Generator

Type of current
 DC
 AC

Normal voltage _____ V
 Normal current _____ A

Current brush grade

Notes

The Schunk Group is an internationally operating technology company. It offers a broad spectrum of products and services in the fields of carbon technology and ceramics, environment simulation and air conditioning technology, sintered metal and ultrasonic welding. The Schunk Group has bundled its expertise in the development, manufacture and application of carbon and ceramic solutions in the Schunk Carbon Technology Division.

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