

Catalogue for Special Products

Passenger Cars and Commercial Vehicles



PKC SEGU Systemelektrik GmbH is located in Barchfeld, Thuringia. We manufacture wiring harnesses as well as electronic and plastic components for commercial vehicle and automotive industries.

As a multinational and dynamic organisation we are focused on constant development of our operations and services. We are convinced that a skilled and committed staff is the foundation of our successful business.

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Catalogue for Special Products

Passenger Cars and Commercial Vehicles

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Catalogue for Special Products

Passenger Cars and Commercial Vehicles

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Pulse Encoder

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Wipe-Wash-Interval-Relays

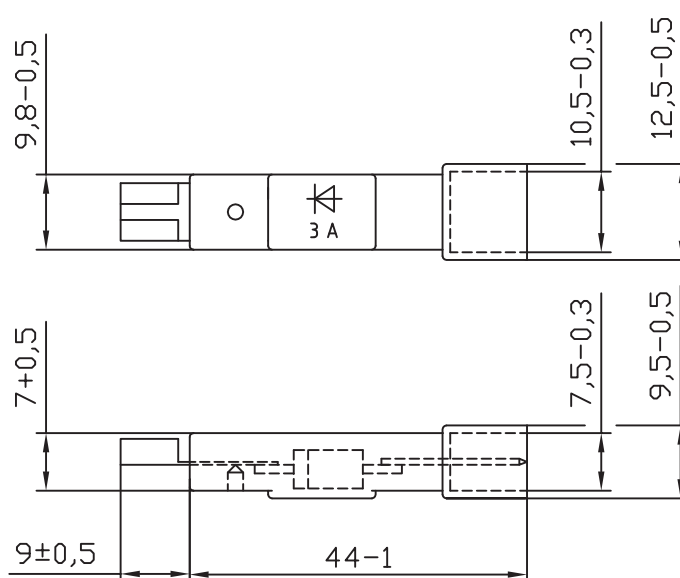
41 9 5000-001	12V Wipe-Wash-Interval-Relay
41 9 5001-001	24V Wipe-Wash-Interval-Relay
41 9 5002-001	12V Wipe-Wash-Interval-Relay
41 9 5003-001	24V Wipe-Wash-Interval-Relay
41 9 5004-001	24V Wipe-Wash-Interval-Relay

Specification

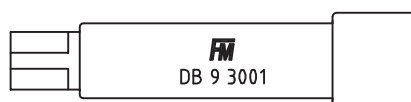
Diode Module

3 A

41 9 3001 S



Dimensions in mm



Connection plan

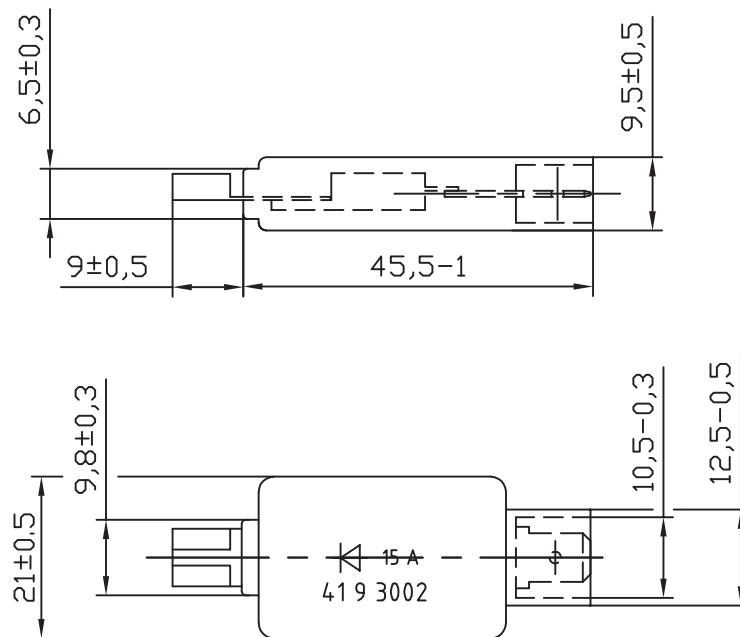


Order number: 41 9 3001

<u>Nominal voltage:</u>	50 V
<u>Diode-type:</u>	BY 255
<u>Transmitting power:</u>	3 A
<u>Peak Reverse Voltage:</u>	1200 V
<u>Compliance:</u>	Diode molded with terminals 6,3 x 0,8 resp. Socket 6,3 x 0,8 according to DIN EN ISO 8092-1
<u>Materials:</u>	Plastic housing: PA 66 GF35 Terminal: CuZn tinned Socket: CuZn tinned
<u>Operating temperature:</u>	-40°C...+120°C

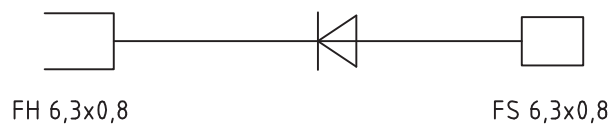
Specification Diode Module 15 A

41 9 3002 S



Dimensions in mm

Connection plan



Order number: 41 9 3002

Nominal voltage: 35 V

Diode-type: MUR 6040 alternative BYT 60P-400

Transmitting power: 15 A short-term (1min)

10 A continuous current

Peak Reverse Current: 35 A (1s)

Peak Reverse Voltage: 400 V

Compliance: Diode molded with terminals 6,3 x 0,8 resp.

Socket 6,3 x 0,8 according to DIN EN ISO 8092-1

Materials: Plastic housing: PA 66 GF35

Terminal: CuZn tinned

Socket: CuZn tinned

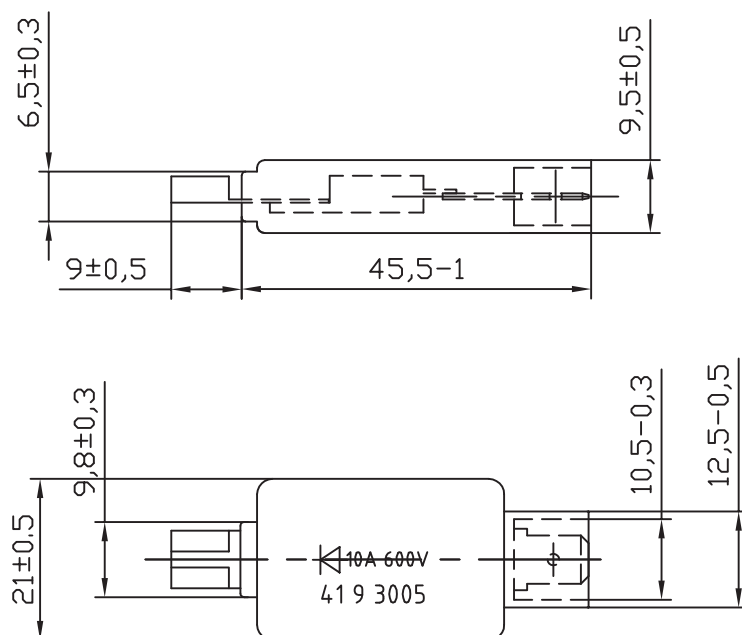
Operating temperature: -40°C...+85°C

Specification

Diode Module

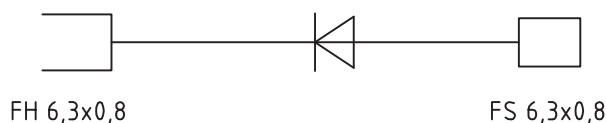
10A 600V

41 9 3005 S



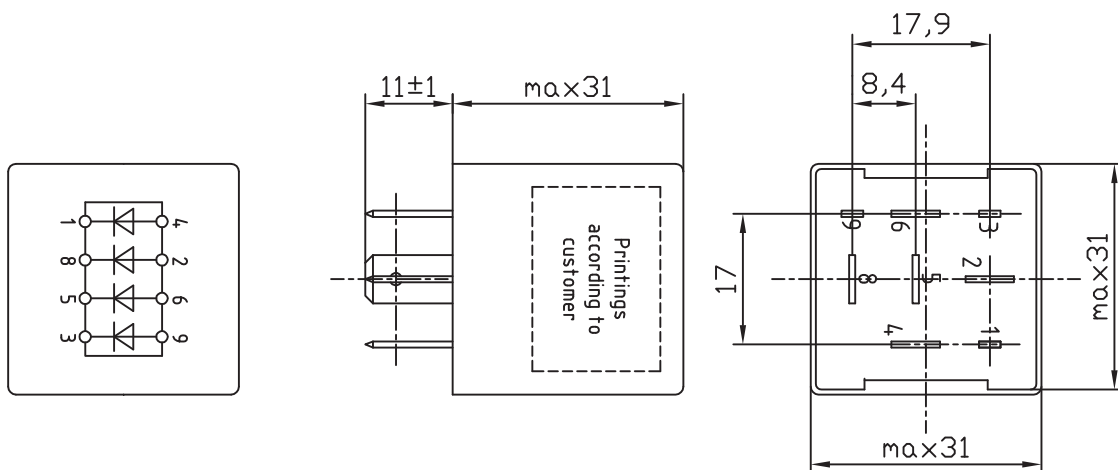
Dimensions in mm

Connection plan



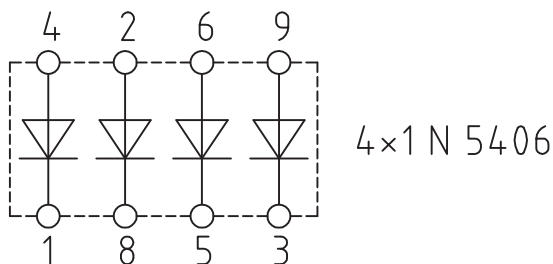
Order number: 41 9 3005

<u>Nominal voltage:</u>	12 V resp. 24V
<u>Diode-type:</u>	MUR3060BTG
<u>Transmitting power:</u>	8 A continuous current 10 A short-term (1min) 25 A short-term (1s)
<u>Peak Reverse Voltage:</u>	600 V
<u>Operation voltage:</u>	9V ... 35V
<u>Compliance:</u>	Diode molded with terminals 6,3 x 0,8 resp. Socket 6,3 x 0,8 according to DIN EN ISO 8092-1
<u>Materials:</u>	Plastic housing: PA 66 GF35 Terminal: CuZn tinned Socket: CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C



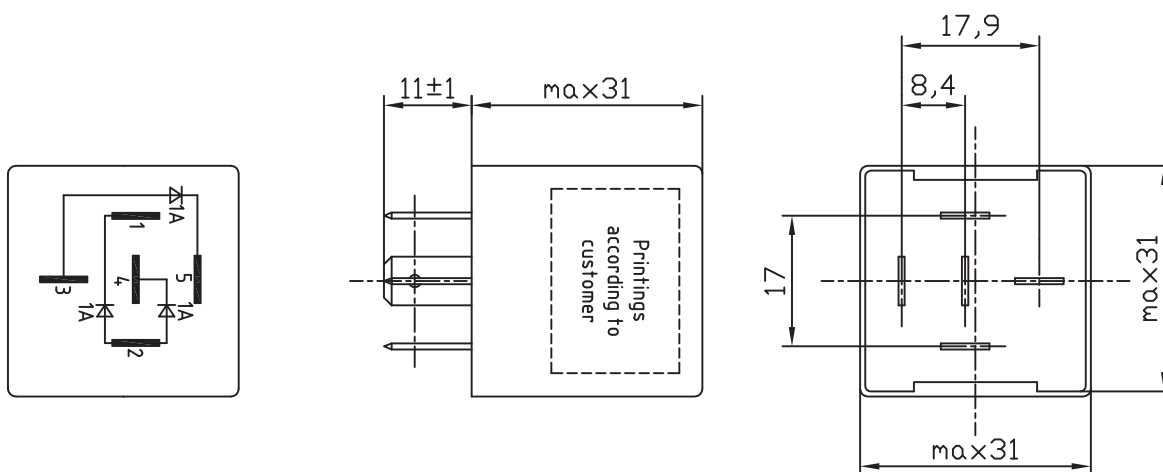
Dimensions in mm

Connection plan



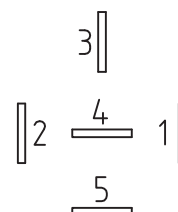
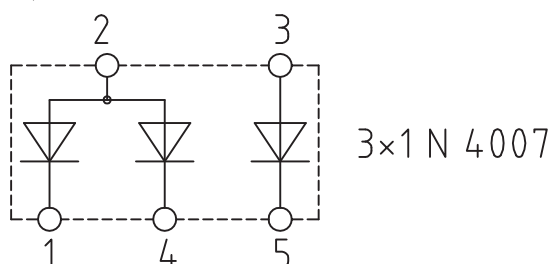
Order number: 41 9 3010

<u>Nominal voltage:</u>	12/24 V AC/DC
<u>Usage:</u>	Combination with four diodes not connected among each other Anode and cathode of each diode accessible on pin 6,3 and 2.8
<u>Diode-type:</u>	1 N 5406
<u>Transmitting power:</u>	3 A (each diode) Total current through all diodes 3,5 A
<u>Peak Reverse Voltage:</u>	600V
<u>Compliance:</u>	Diode molded with terminals 6,3 x 0,8 resp. Socket 6,3 x 0,8 according to DIN EN ISO 8092-1
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 base Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket



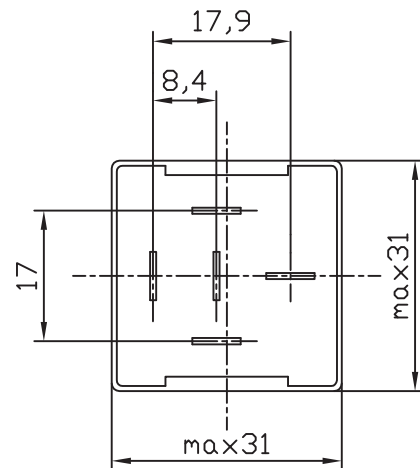
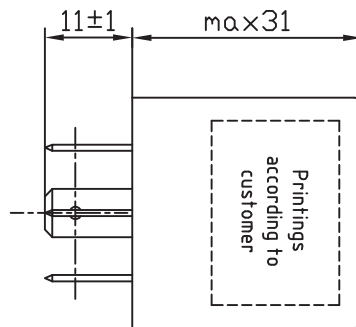
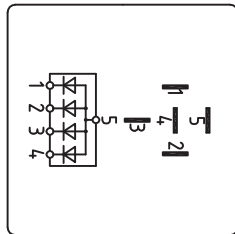
Dimensions in mm

Connection plan



Order number: 41 9 3011

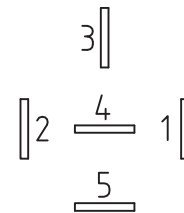
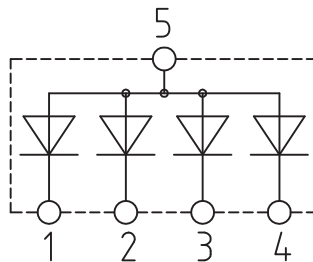
<u>Nominal voltage:</u>	12/24 V AC/DC
<u>Usage:</u>	Diode combination with a diode having a anode and cathode via 6,3 Pin, as well as 2 diodes with a common anode also with a 6,3 Pin on anode and cathode
<u>Diode-type:</u>	1 N 4007
<u>Transmitting power:</u>	1 A
<u>Peak Reverse Voltage:</u>	1000V
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588-2 C, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 base Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket



Dimensions in mm

Connection plan

Pin 1 = P 600 K
Pin 2 = 1 N 4007
Pin 3 = 1 N 5406
Pin 4 = 1 N 4007



Order number: 41 9 3012

Nominal voltage: 12/24 V AC/DC
Usage: Diode-combination with 4 diodes with a common anode.
Anode and cathode are connected with 6,3 Pins

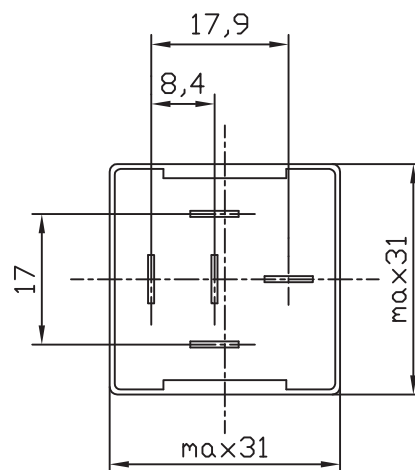
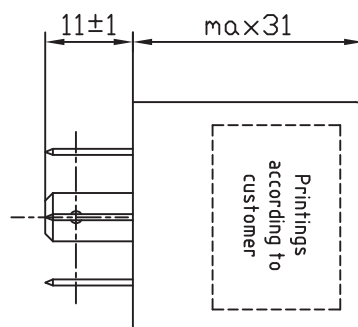
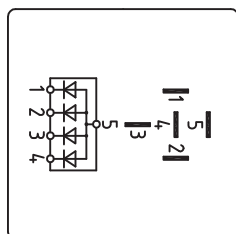
Diode-types:

Diode-type	P 600 K	1 N 5406	1 N 4007
Transmitting power	6 A	3 A	1 A
Peak Reverse Voltage	800 V	600 V	1000V

Compliance: Plastic housing with fixation bracket ISO 7588-2 C,
Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.

Materials: Housing PA 6 GF 30 black
Base-plate PA 6.6 GF 30 black
Terminals CuZn tinned

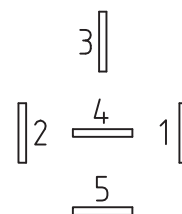
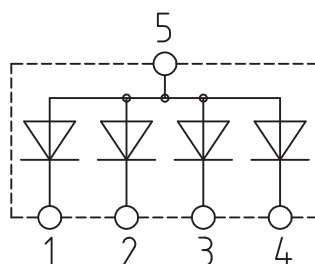
Operating temperature: -40°C...+85°C
Installation: Installation on any socket



Dimensions in mm

Connection plan

4 × 1 N 5406



Order number: 41 9 3013

Nominal voltage:

12/24 V AC/DC

Usage:

Diode-combination with 4 diodes with a common anode.
Anode and cathode are connected with 6,3 Pins

Diode-types:

1 N 5406

Transmitting power :

3 A

Peak Reverse Voltage:

600V

Compliance:

Plastic housing with fixation bracket ISO 7588-2 C,
Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.

Materials:

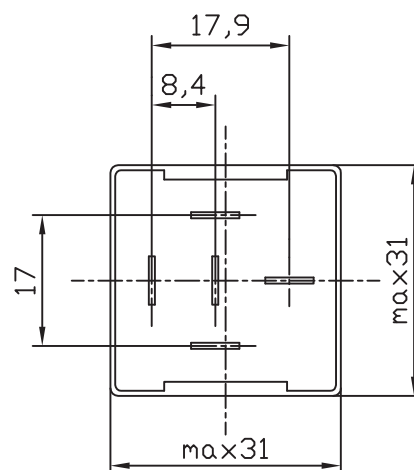
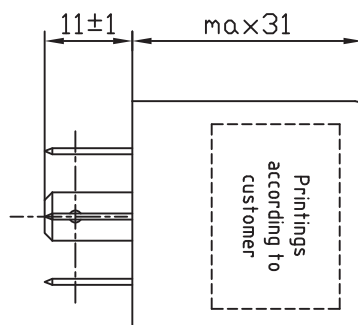
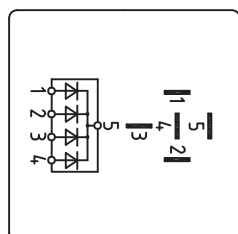
Housing PA 6 GF 30 black
Base-plate PA 6.6 GF 30 black
Terminals CuZn tinned

Operating temperature:

-40°C...+85°C

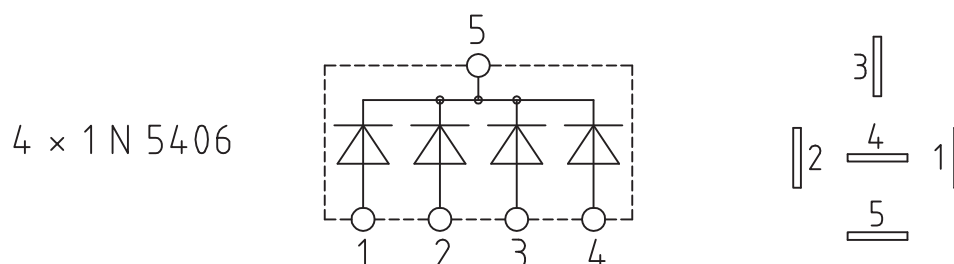
Installation:

Installation on any socket



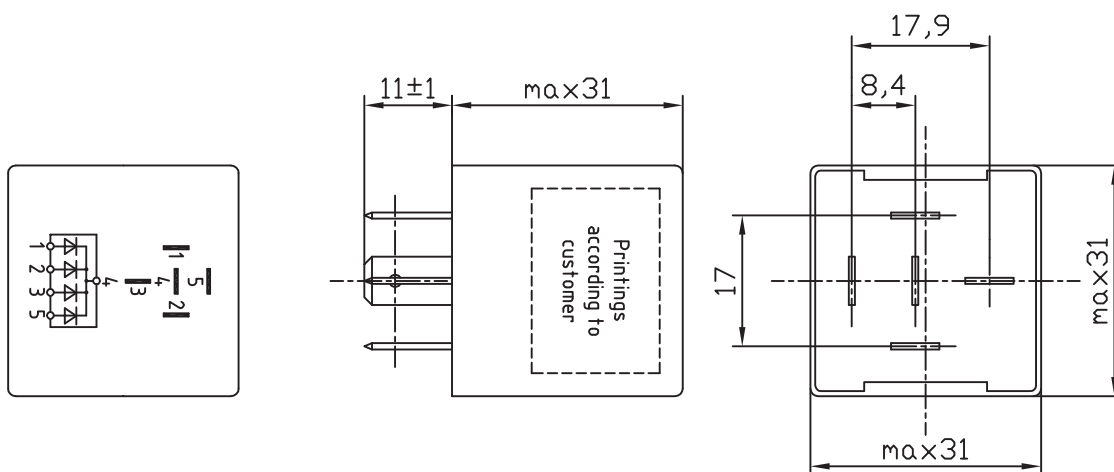
Dimensions in mm

Connection plan



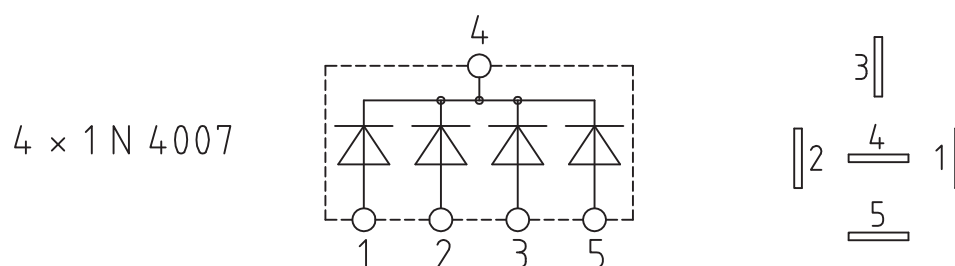
Order number: 41 9 3014

<u>Nominal voltage:</u>	12/24 V AC/DC
<u>Usage:</u>	Diode-combination with 4 diodes with a common cathode. Anode and cathode are connected with 6,3 Pins
<u>Diode-types:</u>	1 N 5406
<u>Transmitting power:</u>	3 A
<u>Peak Reverse Voltage:</u>	600V
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588-2 C, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket



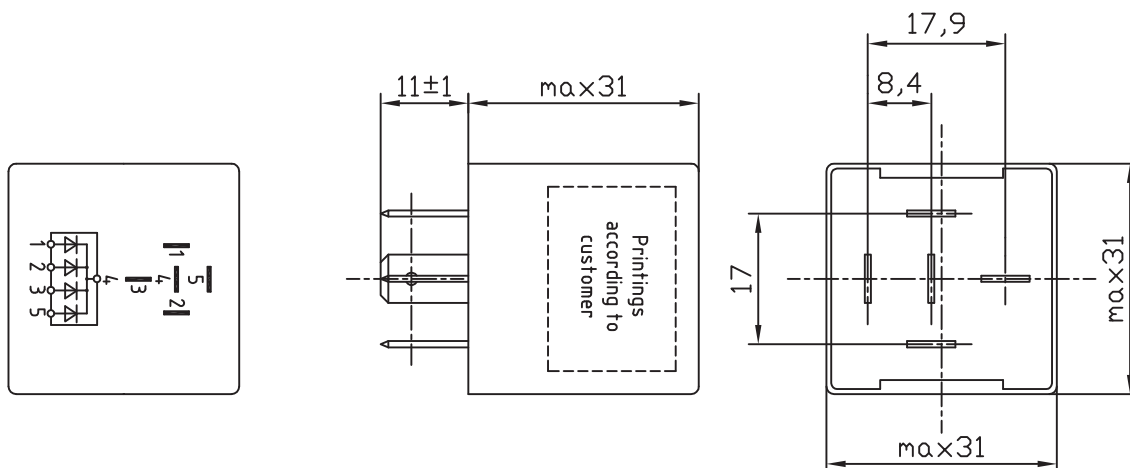
Dimensions in mm

Connection plan



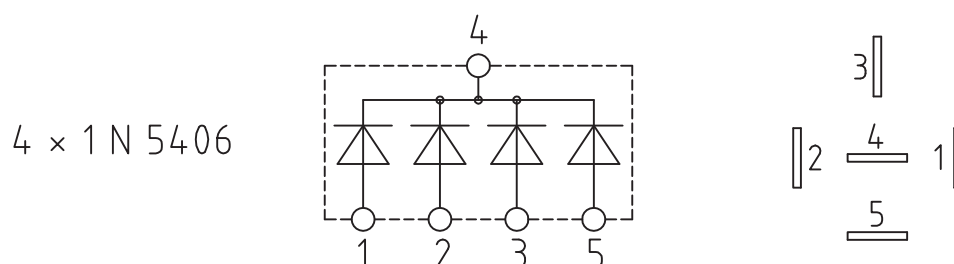
Order number: 41 9 3015

<u>Nominal voltage:</u>	12/24 V AC/DC
<u>Usage:</u>	Diode-combination with 4 diodes with a common cathode. Anode and cathode are connected with 6,3 Pins
<u>Diode-types:</u>	1 N 4007
<u>Transmitting power:</u>	1 A
<u>Peak Reverse Voltage:</u>	1000V
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588-2 C, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket



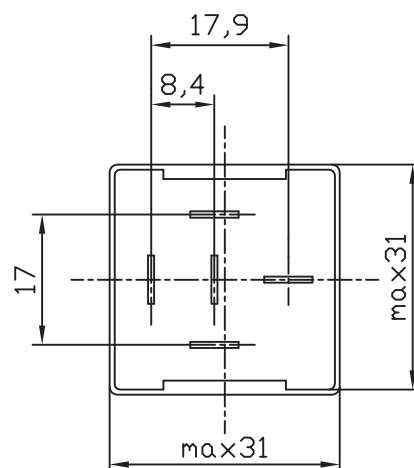
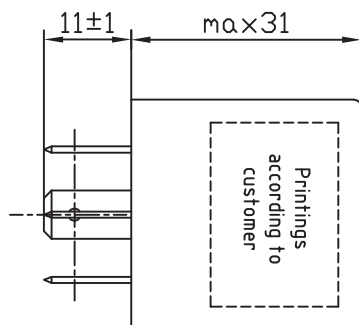
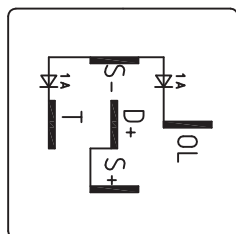
Dimensions in mm

Connection plan



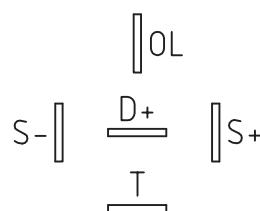
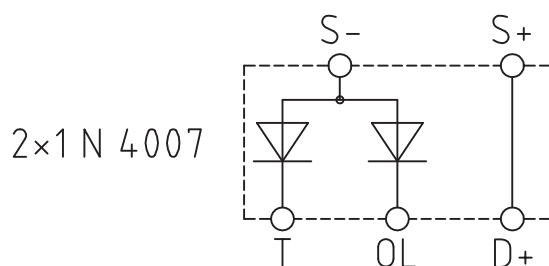
Order number: 41 9 3016

<u>Nominal voltage:</u>	12/24 V AC/DC
<u>Usage:</u>	Diode-combination with 4 diodes with a common cathode. Anode and cathode are connected with 6,3 Pins
<u>Diode-types:</u>	1 N 5406
<u>Transmitting power:</u>	3 A
<u>Peak Reverse Voltage:</u>	600V
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588-2 C, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket



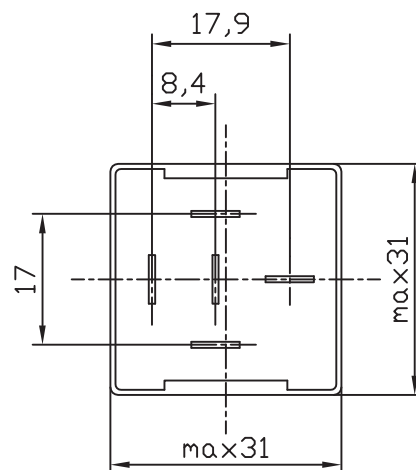
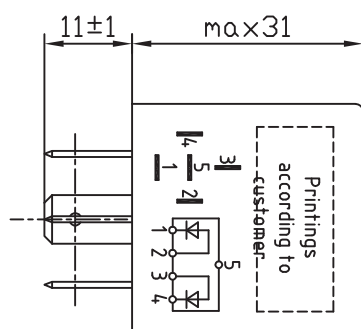
Dimensions in mm

Connection plan



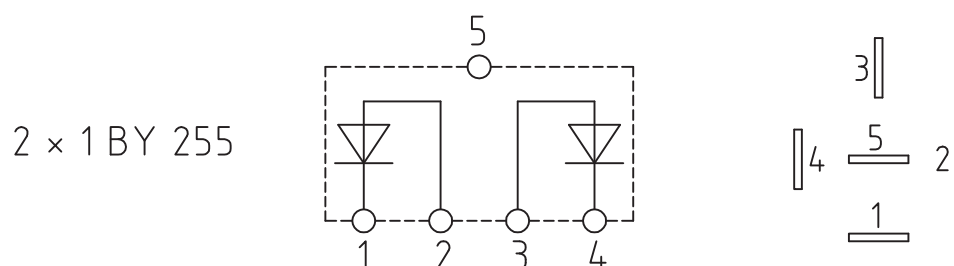
Order number: 41 9 3017

<u>Nominal voltage:</u>	12/24 V AC/DC
<u>Usage:</u>	Diode-combination with 2 diodes with a common anode. Anode and cathode are connected with 6,3 Pins and a bridge between 2 terminals 6,3
<u>Diode-types:</u>	1 N 4007
<u>Transmitting power:</u>	1 A
<u>Peak Reverse Voltage:</u>	1000V
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588-2 C, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket



Dimensions in mm

Connection plan

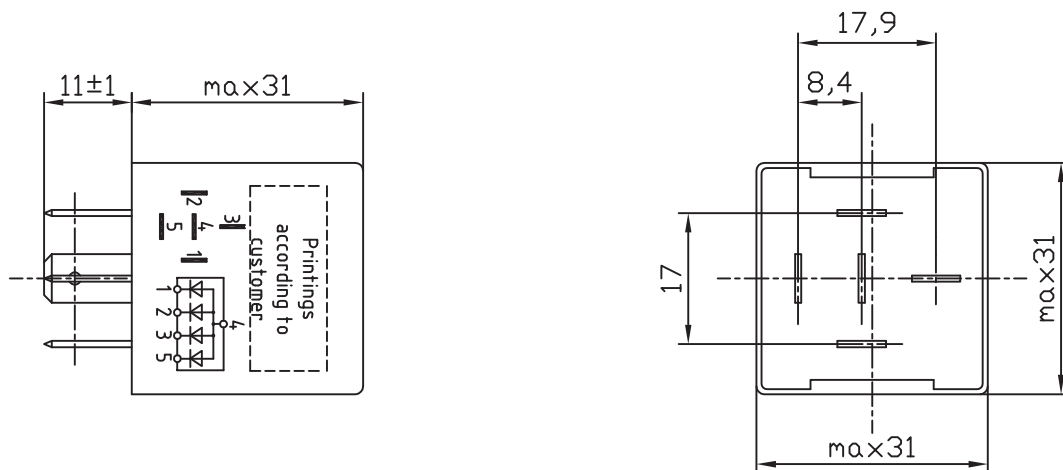


Order number: 41 9 3019

<u>Nominal voltage:</u>	12/24 V AC/DC
<u>Usage:</u>	Diode-combination witch are not connected. among each other Anode and cathode are connected with 6,3 Pins
<u>Diode-types:</u>	BY 255
<u>Transmitting power:</u>	3 A
<u>Peak Reverse Voltage:</u>	1200V
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588- C, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket

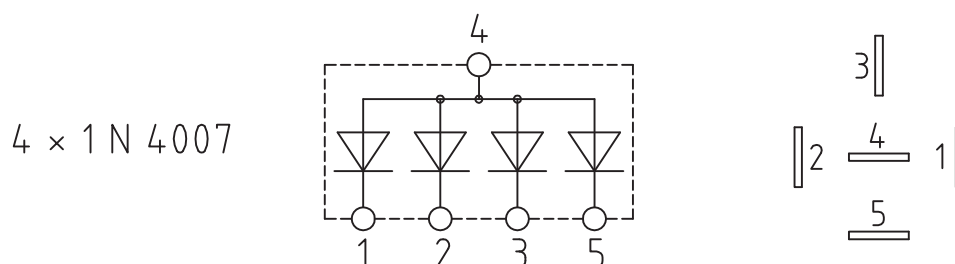
Specification Diode-Combination

41 9 3020 S



Dimensions in mm

Connection plan

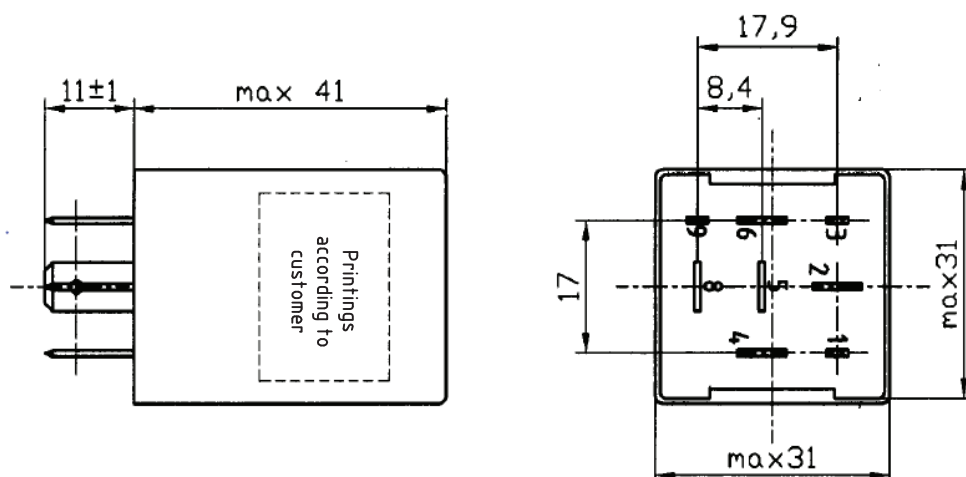


Order number: 41 9 3020

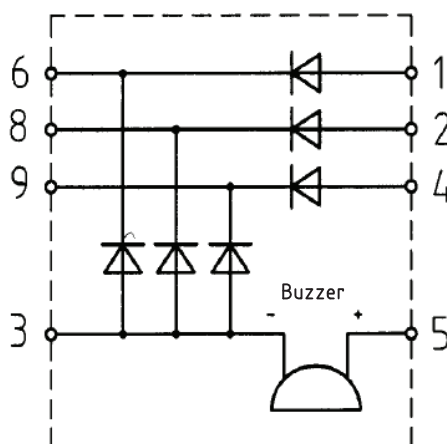
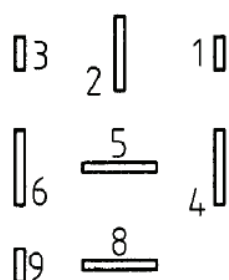
<u>Nominal voltage:</u>	12/24 V AC/DC
<u>Usage:</u>	Diode-combination with 4 diodes, with a common cathode. Anode and cathode are connected with 6,3 Pins
<u>Diode-types:</u>	1 N 4007
<u>Transmitting power:</u>	1 A
<u>Peak Reverse Voltage:</u>	1000V
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588-C, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket

Specification Diode Module with Buzzer

41 9 3021 S



Connection plan



6 × 1 N 4007

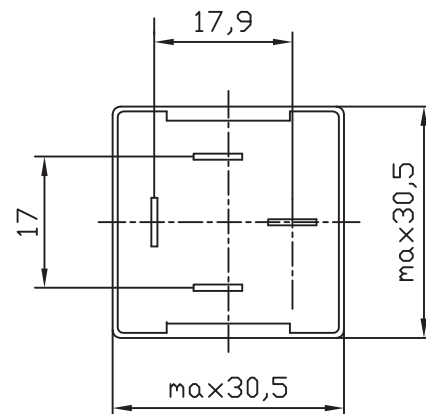
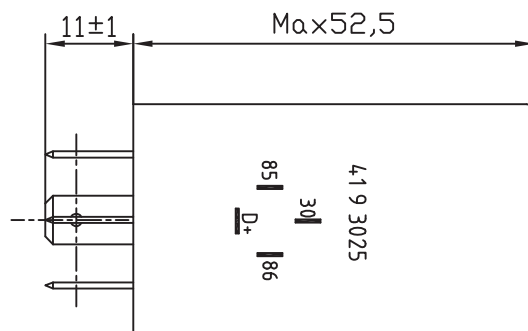
Dimensions in mm

Order number: 41 9 3021

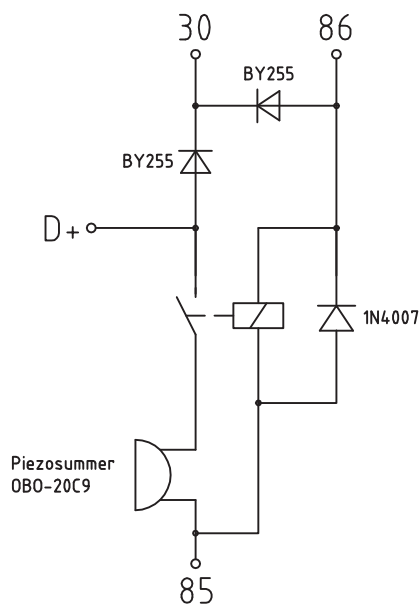
Nominal voltage:	12 VDC
Diode-types:	1 N 4007
Transmitting power:	1 A (each diode)
Peak Reverse Voltage:	1000V
Compliance:	Plastic housing with fixation bracket ISO 7588-2 C, Terminals according to DIN EN ISO 8092-1 2,8x0,8 OH / 6,3x0,8 OH
Materials:	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
Operating temperature:	-30°C...+85°C
Installation:	Installation on any socket

Specification Buzzer

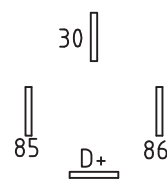
41 9 3022 S



Wiring diagram



Connection plan



Order number: 41 9 3022

Nominal voltage:

12 VDC

Compliance:

Plastic housing with fixation bracket ISO 7588-2 C,
Terminals according to DIN EN ISO 8092-1
2,8x0,8 OH / 6,3x0,8 OH

Materials:

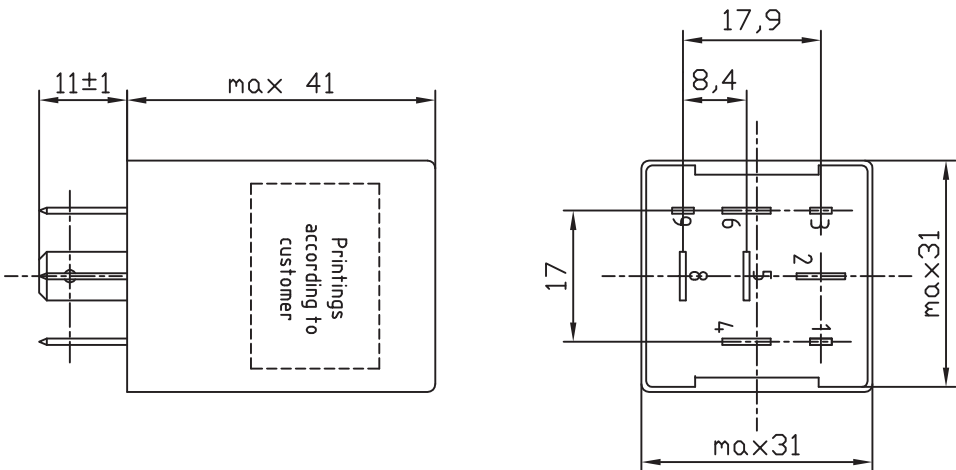
Housing PA 6 GF 30 black
Base-plate PA 6.6 GF 30 black
Terminals CuZn tinned

Operating temperature:

-30°C...+85°C

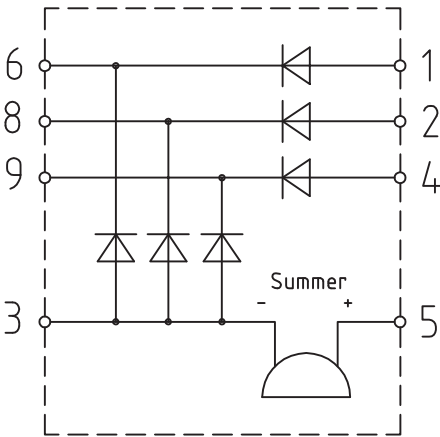
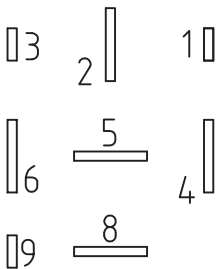
Installation:

Installation on any socket



Dimensions in mm

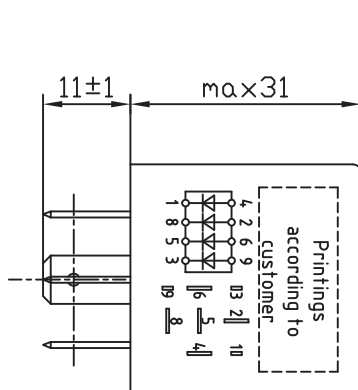
Connection plan



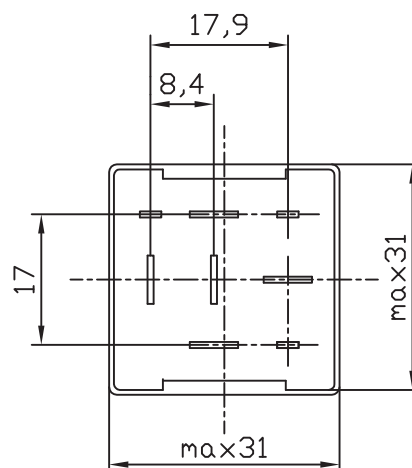
6 × SM 4007

Order number: 41 9 3023

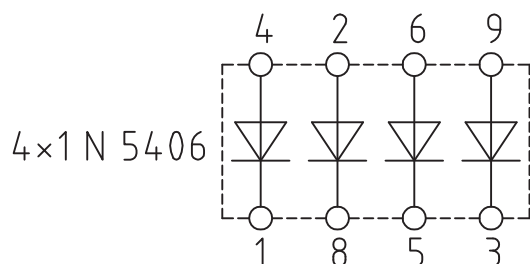
Nominal voltage:	12 VDC
Diode-types:	SM4007
Transmitting power:	1 A (each diode)
Peak Reverse Voltage:	1000V
Compliance:	Plastic housing with fixation bracket ISO 7588-2 C, Terminals according to DIN EN ISO 8092-1 2,8x0,8 OH / 6,3x0,8 OH
Materials:	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
Operating temperature:	-30°C...+85°C
Installation:	Installation on any socket



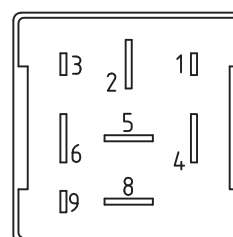
Dimensions in mm



Wiring diagram:



Connection plan



Order number: 41 9 3024

Nominal voltage:

12/24 V AC/DC

Usage:

Diode-combination with 4 diodes witch are not connected among each other. Anode and cathode are connected with 6,3 Pins resp. 2,8 Pins

Diode-types:

1 N 5406

Transmitting power:

3 A (each diode) total current through all diodes: 3,5 A

Peak Reverse Voltage:

600V

Compliance:

Plastic housing with fixation bracket ISO 7588- C, Terminals according to DIN EN ISO 8092-1 2,8x0,8 OH / 6,3x0,8 OH

Materials:

Housing molded with plastic Housing PA 6 GF 30 black base-plate PA 6.6 GF 30 black terminals CuZn tinned

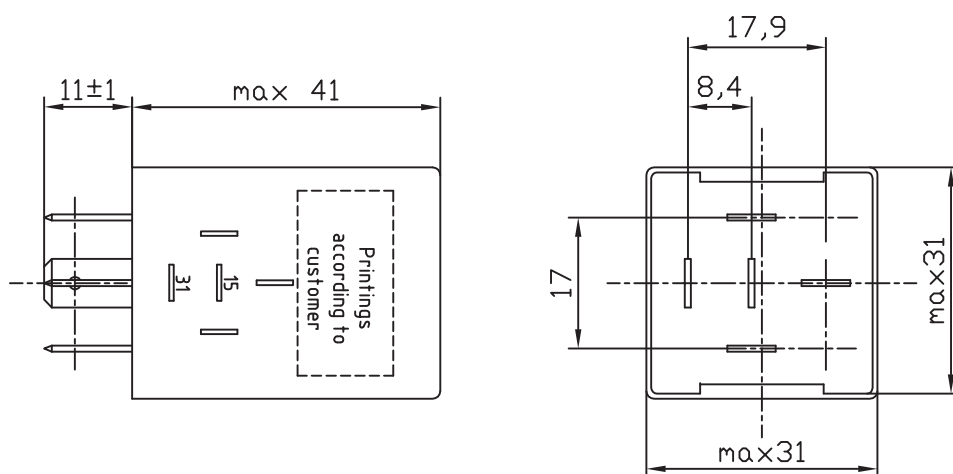
Operating temperature:

-40°C...+85°C

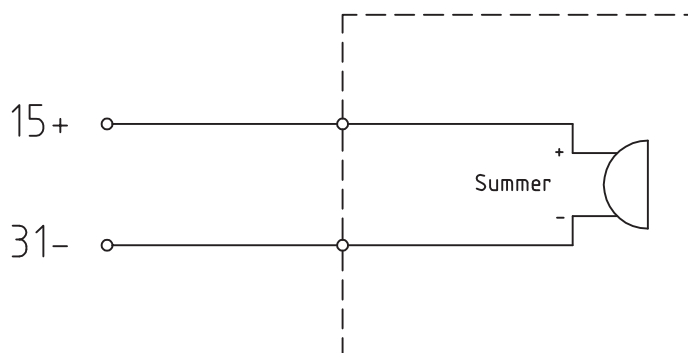
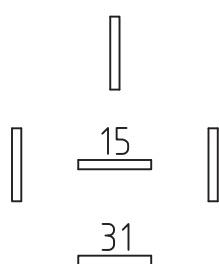
Installation:

Installation on any socket

Dimensions in mm

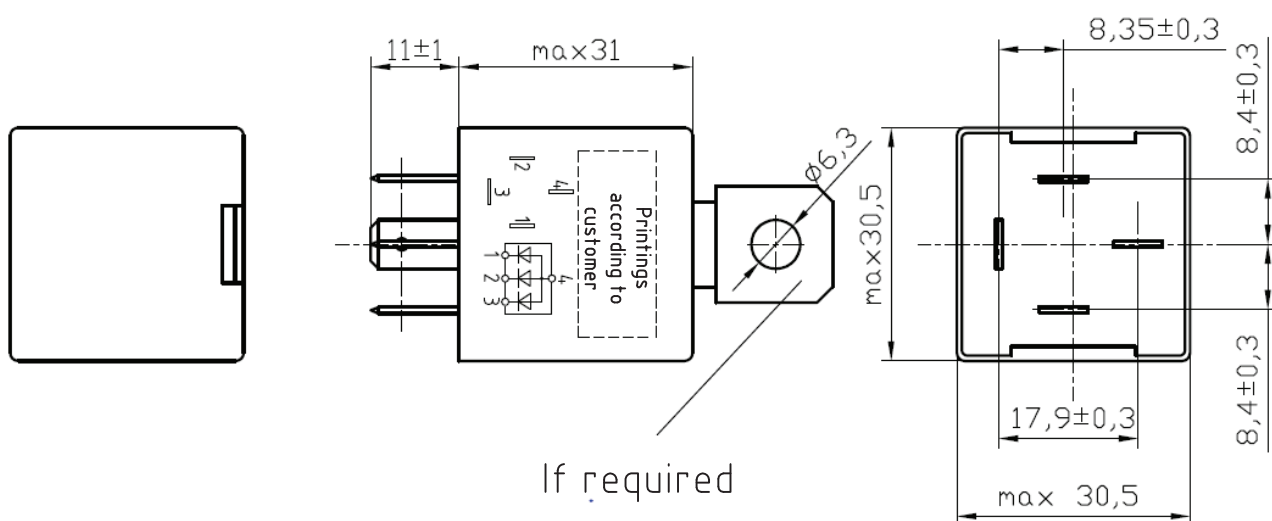


Connection plan



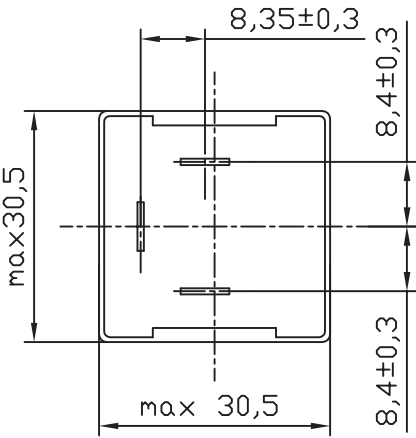
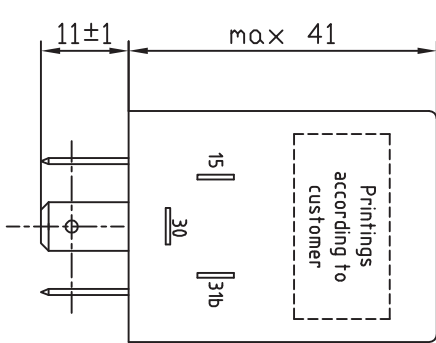
Order number: 41 9 3026

<u>Nominal voltage:</u>	12 VDC
<u>Operation voltage:</u>	9VDC...15VDC
<u>Frequency:</u>	3,4kHz
<u>Sound pressure:</u>	93 dB/30 cm
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588- 2C, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-30°C...+85°C
<u>Installation:</u>	Installation on any socket

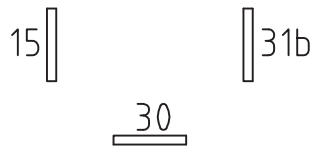


Order number: 41 9 3027

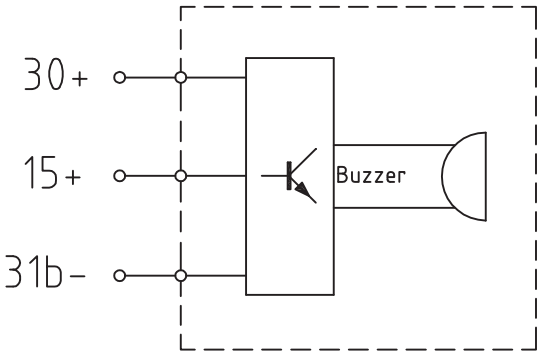
<u>Nominal voltage:</u>	12V/24 V AC/DC
<u>Usage:</u>	Diode-combination with 3 diodes with a common anode. Anode and cathode are connected with 6,3 Pins
<u>Diode-types:</u>	1 N 4007
<u>Transmitting power:</u>	1 A (each diode)
<u>Peak Reverse Voltage:</u>	1000V
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588-2 C, Terminals according to DIN EN ISO 8092-1 2,8x0,8 OH / 6,3x0,8 OH
<u>Materials:</u>	Housing PA 6 GF 30 black Base-plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket



Connection plan Function



30	15	31b	Buzzer
1		0	on
1	1	0	off

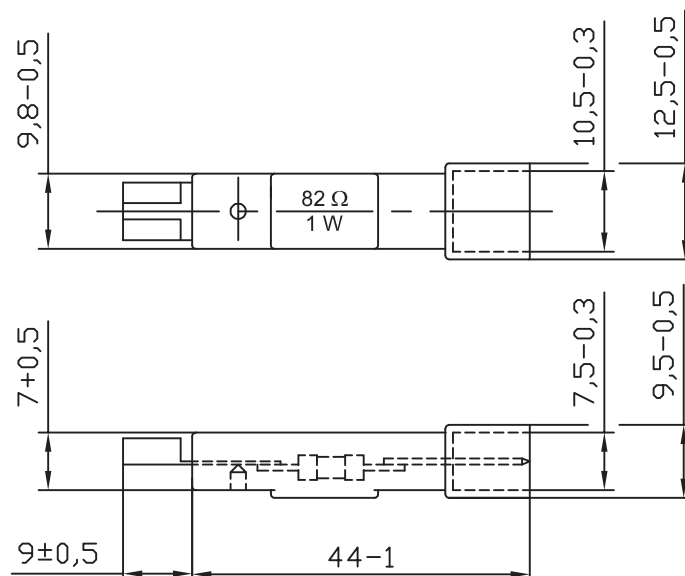


Order number: 41 9 3028

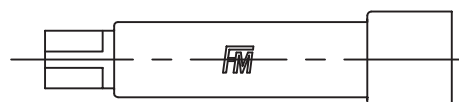
<u>Nominal Voltage:</u>	12 VDC
<u>Operating voltage:</u>	9VDC...16VDC
<u>Frequency:</u>	(3,4±0,5)kHz
<u>Sound pressure:</u>	73 dB/10 cm
<u>Compliance:</u>	Plastic housing with fixation bracket ISO 7588-2 C Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH
<u>Materials:</u>	Housing PA 6 GF 30 black Base plate PA 6.6 GF 30 black Terminals CuZn tinned
<u>Operating temperature:</u>	-20°C...+70°C
<u>Storage temperature:</u>	-40°C...+85°C
<u>Installation:</u>	Installation on any socket

Specification Resistor Component 82 Ohm 1 Watt

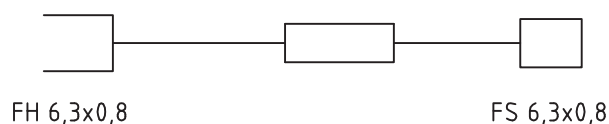
41 9 3301-01 S



Dimensions in mm



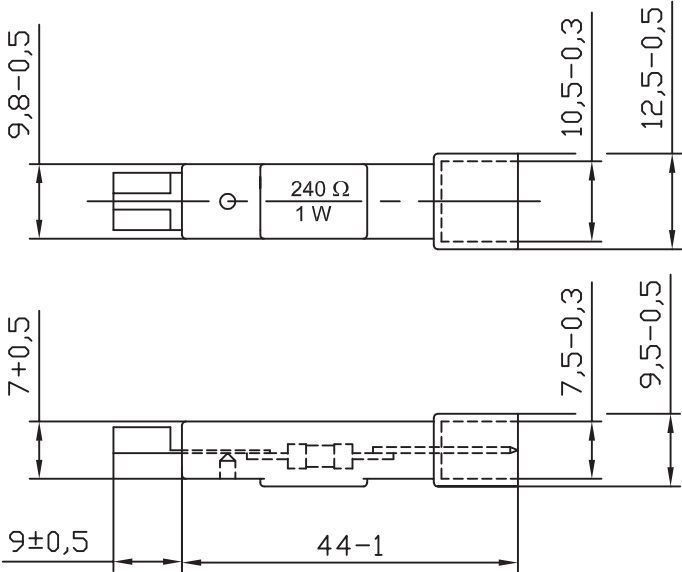
Connection assignment



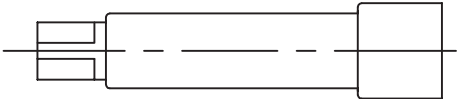
Order number: 41 9 3301-010

<u>Nominal voltage:</u>	50 V
<u>Type of resistor:</u>	82 Ohm±10% 1 Watt
<u>Compliance:</u>	Resistor molded with terminals 6,3 x 0,8 resp. socket 6,3 x 0,8 according to DIN EN ISO 8092-1
<u>Materials:</u>	Plastic overmoulding: PA 66 GF35 - grey - Terminal: CuZn tinned Socket: CuZn tinned
<u>Operating temperature:</u>	-40°C...+120°C

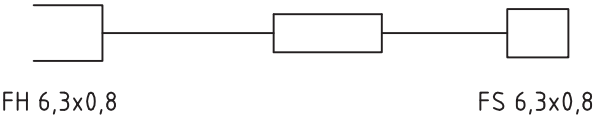
PKC GROUP 	Specification Resistor Component 240 Ohm 1 Watt	41 9 3302 S
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Dimensions in mm

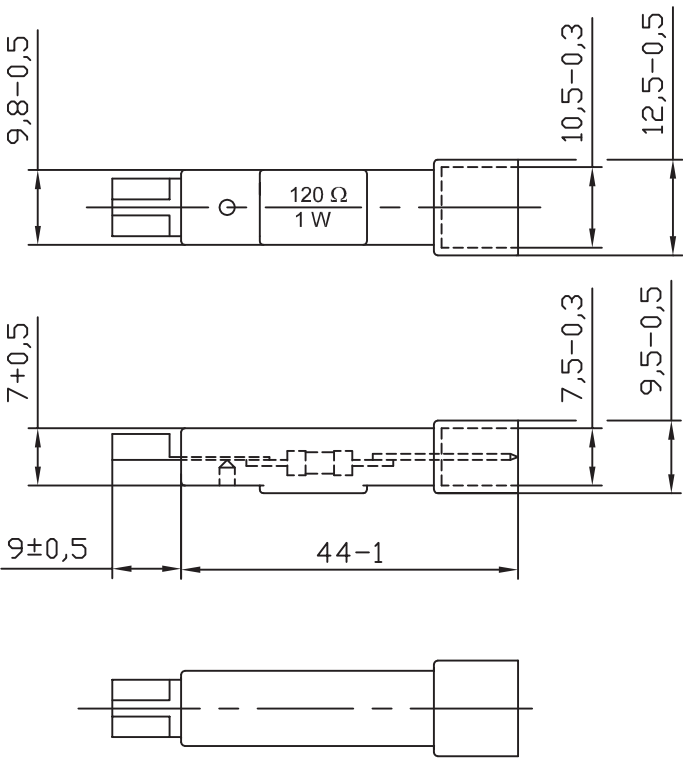


Connection assignment



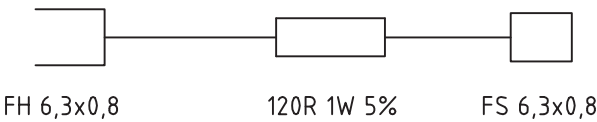
Order number: 41 9 3302

Nominal voltage:	50 V
Type of resistor:	240 Ohm±5% 1 Watt
Compliance:	Resistor molded with terminals 6,3 x 0,8 resp. socket 6,3 x 0,8 according to DIN EN ISO 8092-1
Materials:	Plastic overmoulding: PA 66 GF35 - grey - Terminal: CuZn tinned Socket: CuZn tinned
Operating temperature:	-40°C...+120°C



Dimensions in mm

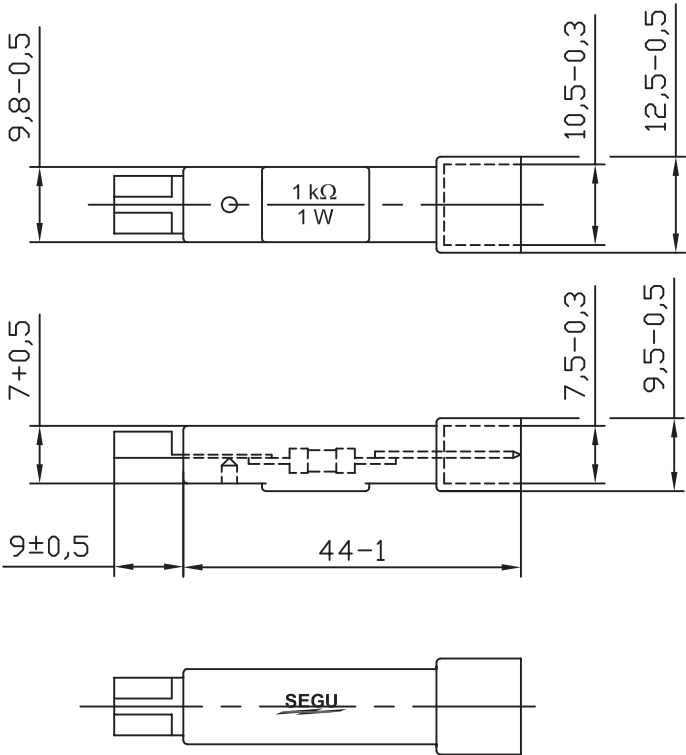
Connection assignment



Order number: 41 9 3305

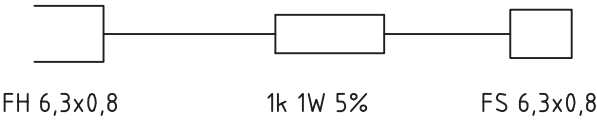
Nominal voltage:	50 V
Type of resistor:	120 Ohm±5% 1 Watt
Compliance:	Resistor molded with terminals 6,3 x 0,8 resp. socket 6,3 x 0,8 according to DIN EN ISO 8092-1
Materials:	Plastic overmoulding: PA 66 GF35 - grey - Terminal: CuZn tinned Socket: CuZn tinned
Operating temperature:	-40°C...+120°C

PKC GROUP 	Specification Resistor Component 1 kOhm 1 Watt	41 9 3306 S
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Dimensions in mm

Connection assignment



Order number: 41 9 3306

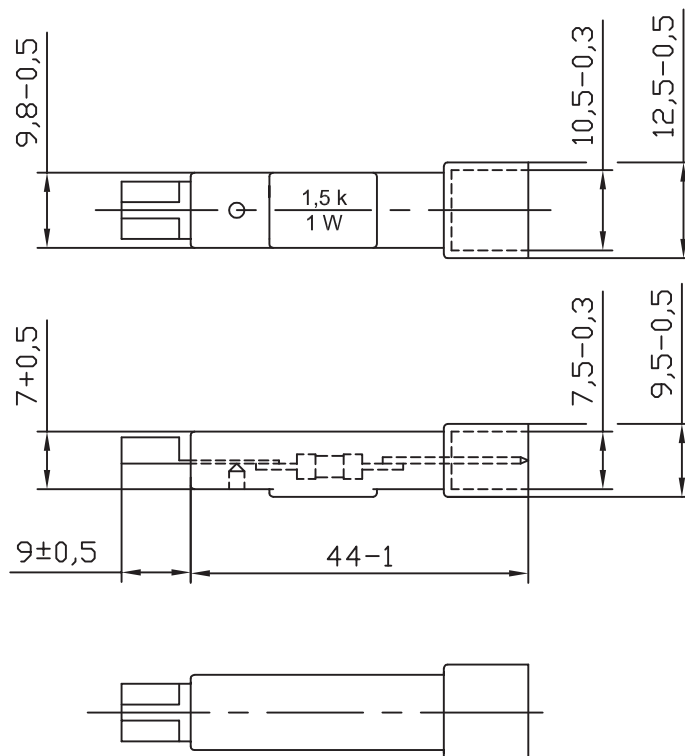
Nominal voltage:	50 V
Type of resistor:	1 kOhm±5% 1 Watt
Compliance:	Resistor molded with terminals 6,3 x 0,8 resp. socket 6,3 x 0,8 according to DIN EN ISO 8092-1
Materials:	Plastic overmoulding: PA 66 GF35 - grey - Terminal: CuZn tinned Socket: CuZn tinned
Operating temperature:	-40°C...+120°C

Specification

Resistor Component

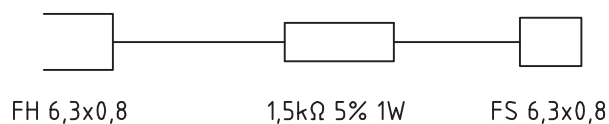
1,5 kOhm 1 Watt

41 9 3307 S



Dimensions in mm

Connection assignment

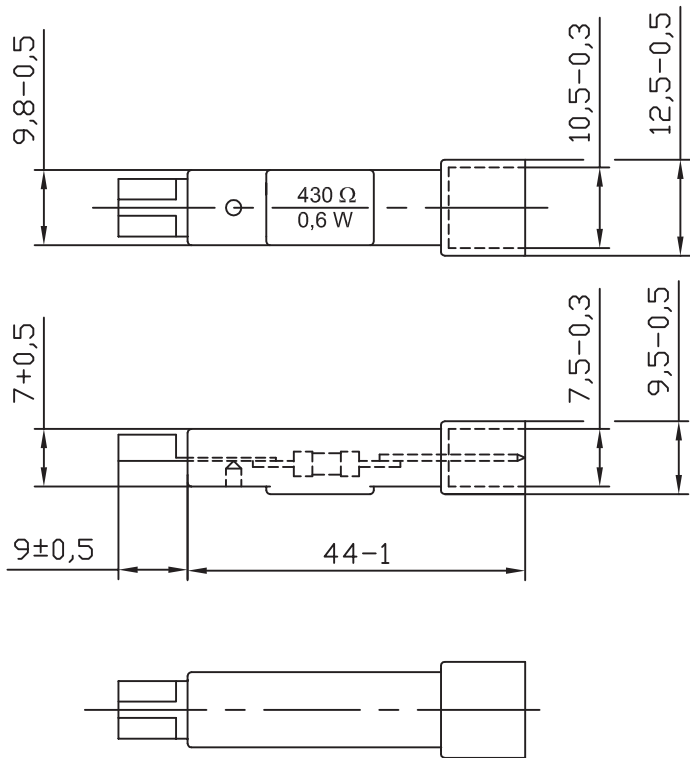


Order number: 41 9 3307

<u>Nominal voltage:</u>	50 V
<u>Type of resistor:</u>	1,5 kOhm±5% 1 Watt
<u>Compliance:</u>	Resistor molded with terminals 6,3 x 0,8 resp. socket 6,3 x 0,8 according to DIN EN ISO 8092-1
<u>Materials:</u>	Plastic overmoulding: PA 66 GF35 - grey - Terminal: CuZn tinned Socket: CuZn tinned
<u>Operating temperature:</u>	-40°C...+120°C

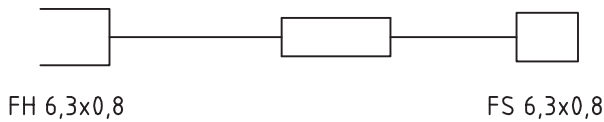
Specification
Resistor Component
430 Ohm 0,6 Watt

41 9 3310 S



Dimensions in mm

Connection assignment



Order number: 41 9 3310

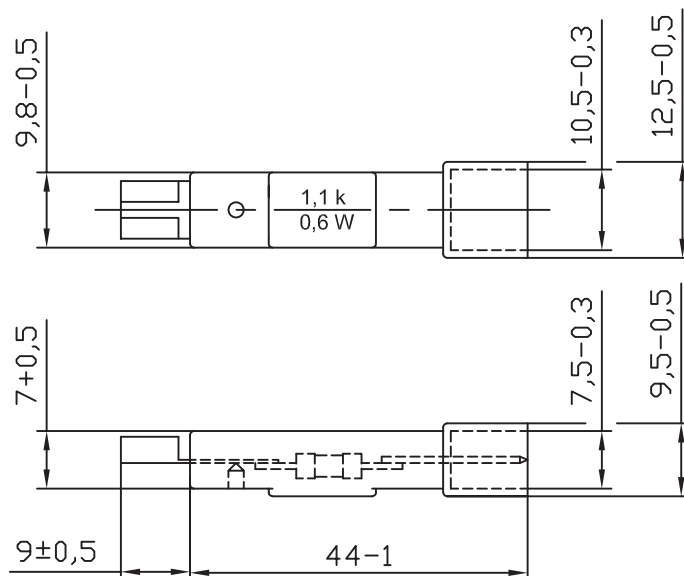
Nominal voltage:	50 V
Type of resistor:	430 Ohm±5% 0,6 Watt
Compliance:	Resistor molded with terminals 6,3 x 0,8 resp. socket 6,3 x 0,8 according to DIN EN ISO 8092-1
Materials:	Plastic overmoulding: PA 66 GF35 - grey - Terminal: CuZn tinned Socket: CuZn tinned
Operating temperature:	-40°C...+120°C

Specification

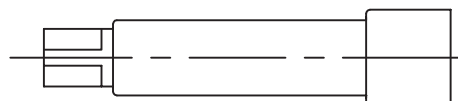
Resistor Component

1,1 kOhm 0,6 Watt

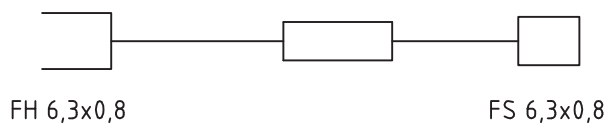
41 9 3311 S



Dimensions in mm

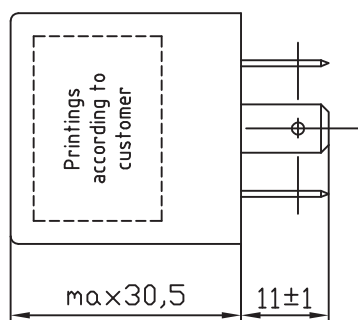
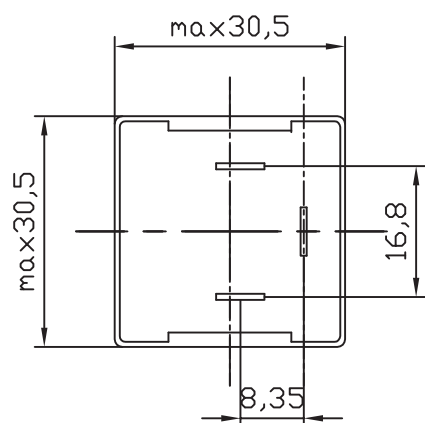


Connection assignment



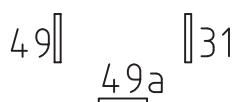
Order number: 41 9 3311

<u>Nominal voltage:</u>	50 V
<u>Type of resistor:</u>	1,1 kOhm±5% 0,6 Watt
<u>Compliance:</u>	Resistor molded with terminals 6,3 x 0,8 resp. socket 6,3 x 0,8 according to DIN EN ISO 8092-1
<u>Materials:</u>	Plastic overmoulding: PA 66 GF35 - grey - Terminal: CuZn tinned Socket: CuZn tinned
<u>Operating temperature:</u>	-40°C...+120°C

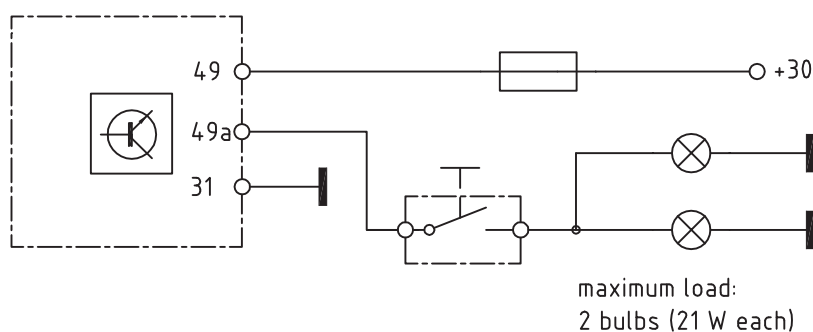


Dimensions in mm

Pin assignment



Connection plan



Order number: 41 9 0149

Nominal voltage:

12 VDC and 24 VDC

Usage:

Fully electronic Pulse Encoder for universal use,
output short-circuit-proof

Connection values:

max. nominal load 42 W

Control of functions:

none

Compliance:

Plastic housing with terminals according to ISO 7588-CA,
Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.

Frequency:

90±30 flashes per minute for direction indication
and warning flashing

Duration of light pulse:

50%±10%

Nominal voltage:

9 VDC...33 VDC

Electromagnetic compatibility:

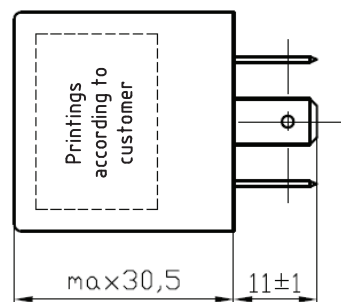
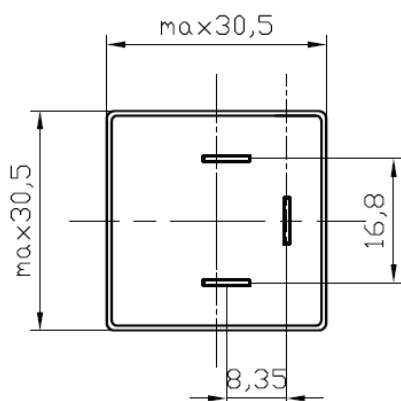
Interference immunity and interference
emission according to 72/245/EWG standard

Operating temperature:

-30°C...+85°C

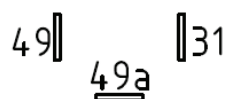
Installation:

On plug-in socket

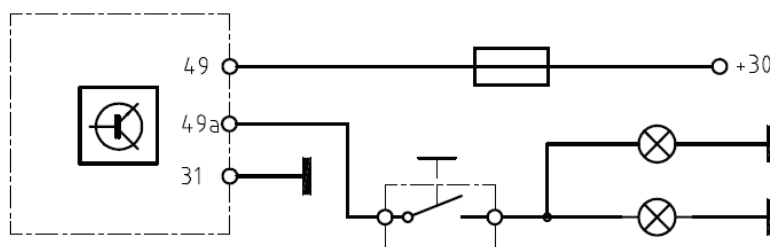


Dimensions in mm

Pin assignment



Connection plan



maximum load:
2 bulbs (21 W each)

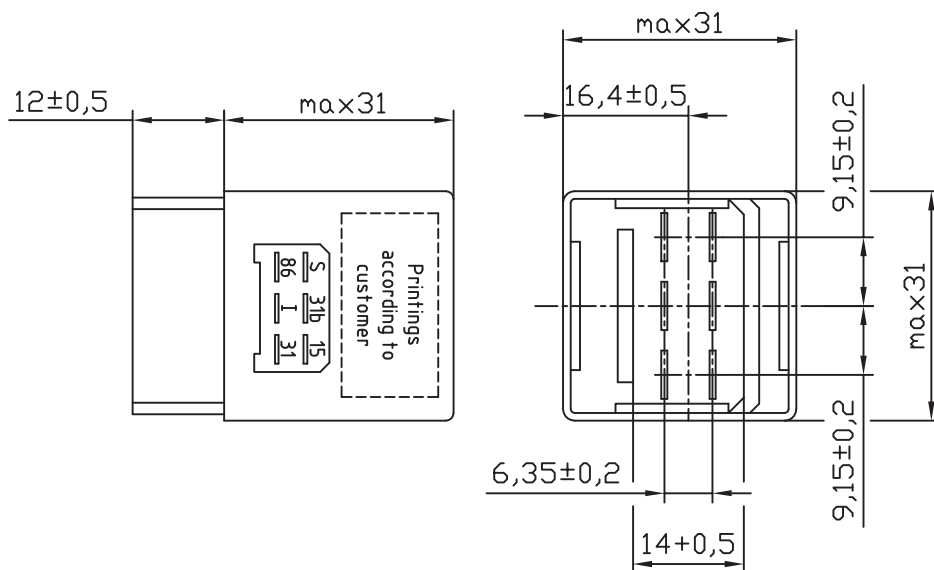
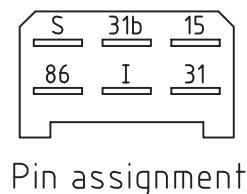
Order number: 41 9 0150

<u>Nominal voltage:</u>	12 VDC und 24 VDC
<u>Usage:</u>	Fully electronic Pulse Encoder for universal use, vibration resistant, output short-circuit-proof
<u>Connection values:</u>	max. nominal load 42 W
<u>Control of functions:</u>	none
<u>Compliance:</u>	Plastic housing with terminals according to ISO 7588-CA, Terminals according to DIN EN ISO 8092-1 6,3x0,8 OH.
<u>Frequency:</u>	90±30 flashes per minute for direction indication and warning flashing
<u>Duration of light pulse:</u>	50%±10%
<u>Nominal voltage:</u>	9 VDC...33 VDC
<u>Electromagnetic compatibility:</u>	Interference immunity and interference emission according to 72/245/EWG standard
<u>Degree of protection:</u>	IP 66 according to DIN 40 050-9
<u>Operating temperature:</u>	-30°C...+85°C
<u>Installation:</u>	On plug-in socket

Specification

Wipe-Wash-Interval-Relay

12 V $T_{INT}=6,5s$



Dimensions in mm

Order number: 41 9 5000

Nominal voltage:

12 VDC

Usage:

In combination with an appropriate Wiperswitch, the Wipe-Wash-Interval-Relay controls a Wiper motor in interval operation or a Washing pump and a Wiper motor in Wipe-Wash operation. The Wipe-Wash function has a higher priority than the interval function.

Interval function:

Interval pause:

6,5s±1,5s

Wipe-Wash-function:

Wipe time:

3,9s±1s

Delay time:

0,6s±0,2s

Switching current:

Normally closed contact 10A

Normally open contact 20 A

Compliance:

Plastic housing with terminals according to DIN EN ISO 8092-1 6,3x0,8 OH

Materials:

Housing PA 6.6 GF 30 black

Base plate PA 6.6 GF 30 black

Terminals CuZn30 tinned

Operating voltage:

9 VDC...16 VDC

Operating temperature:

-40°C...+85°C

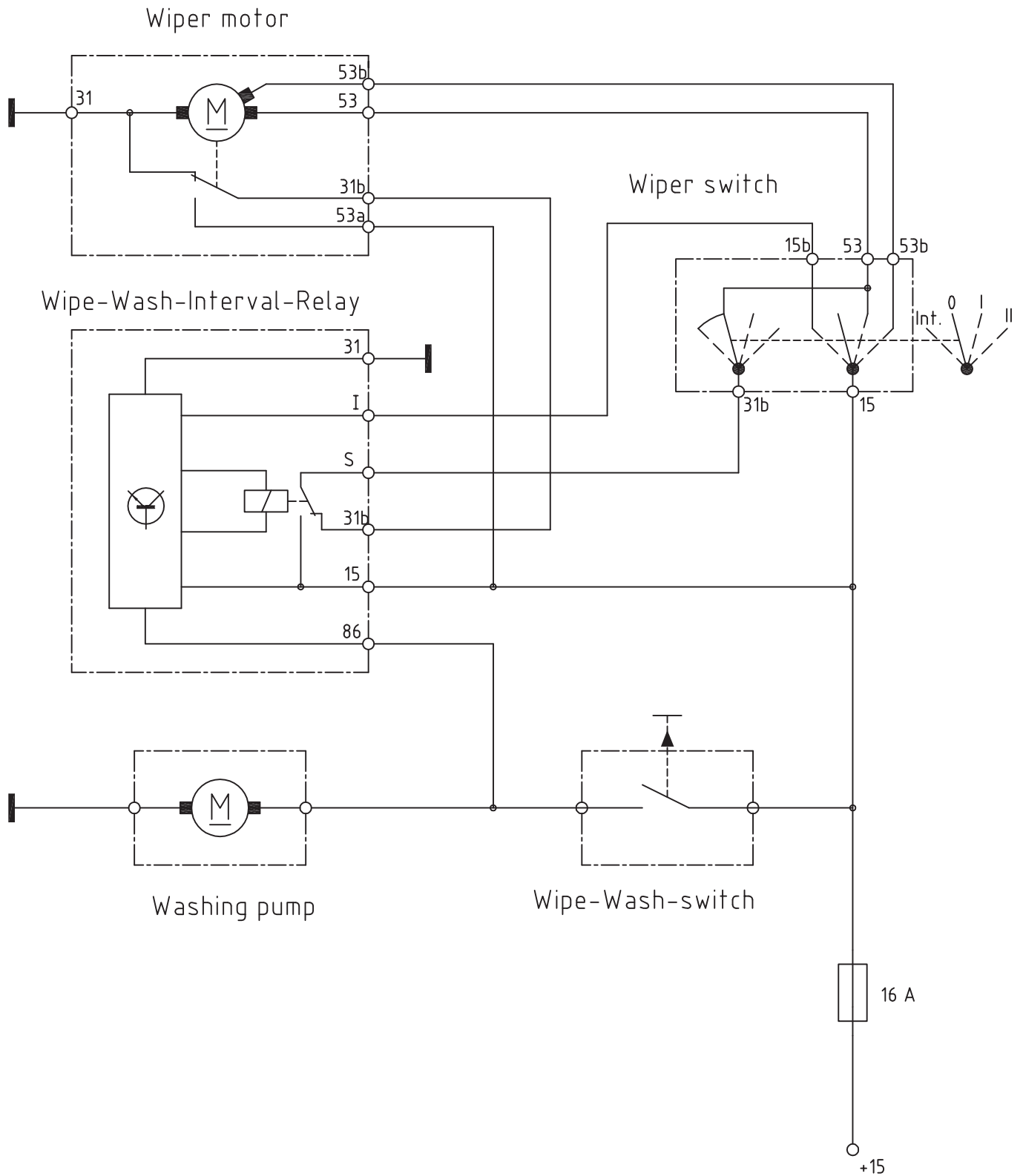
Connection:

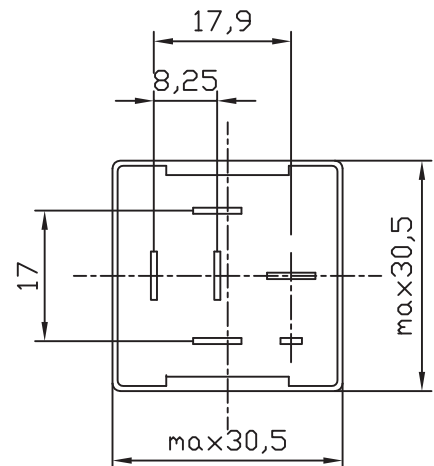
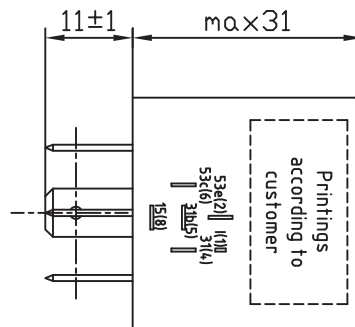
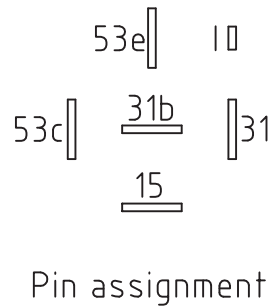
According to 41 9 5000 S Page 2

Installation:

On plug-in socket

Connection plan



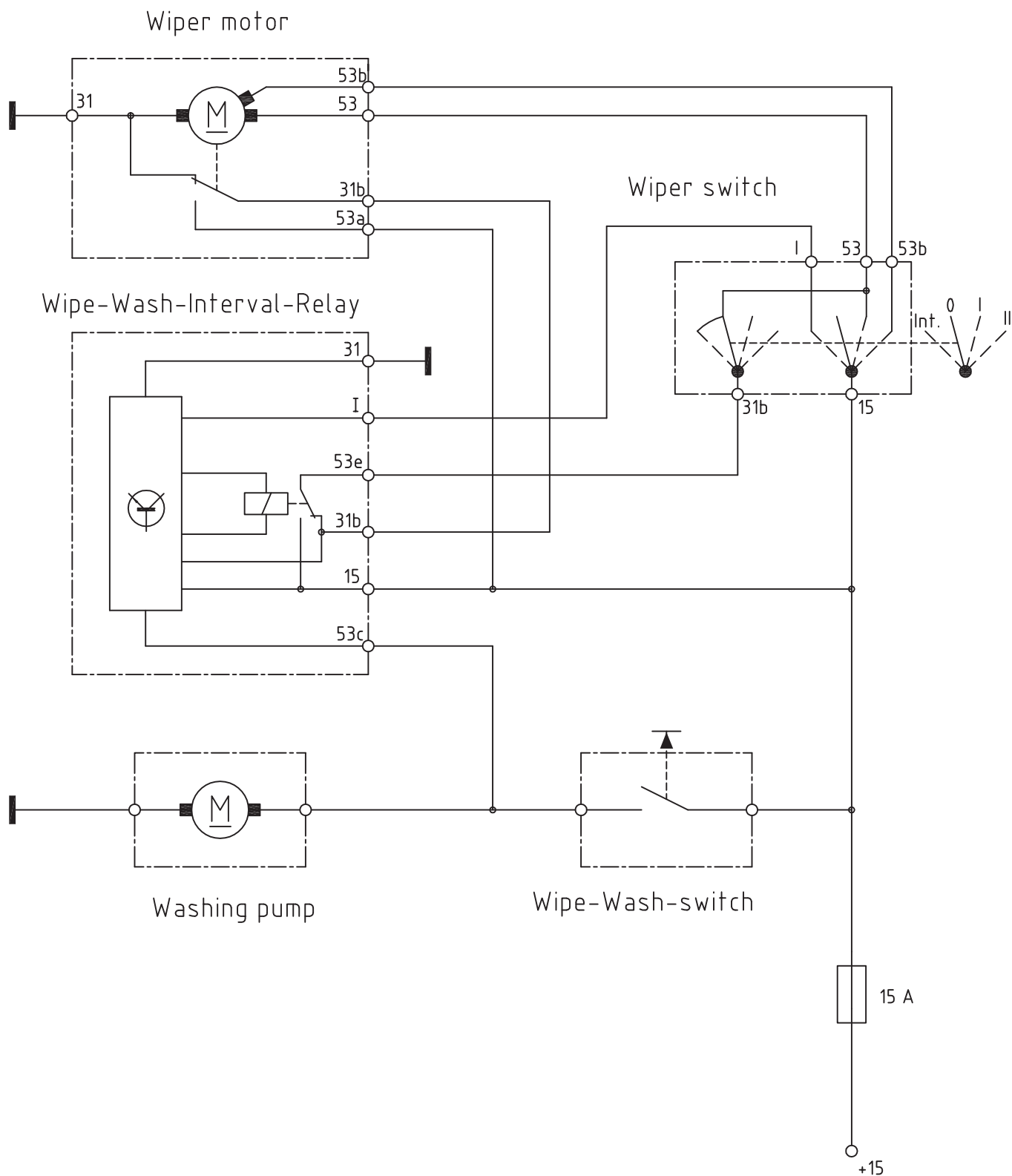


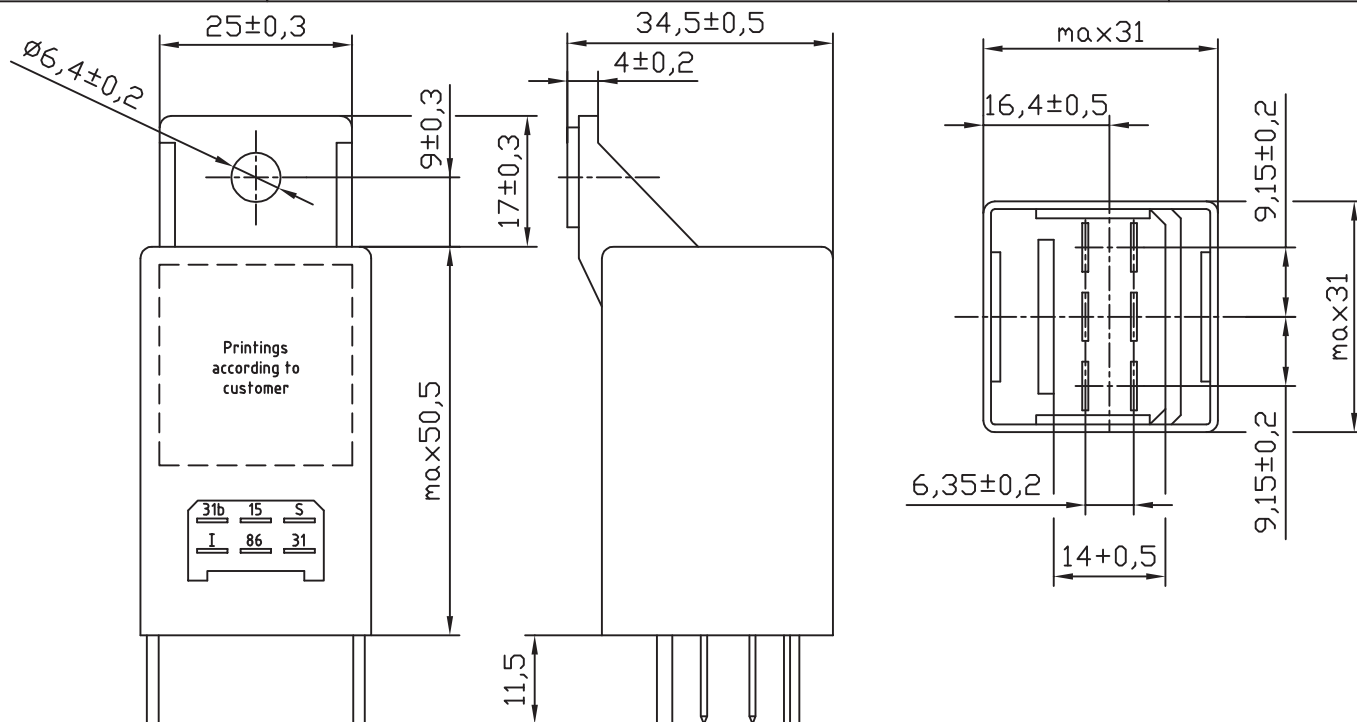
Dimensions in mm

Order number: 41 9 5001

<u>Nominal voltage:</u>	24 VDC
<u>Usage:</u>	In combination with an appropriate Wiperswitch, the Wipe-Wash-Interval-Relay controls a Wiper motor in interval operation or a Washing pump and a Wiper motor in Wipe-Wash operation. The Wipe-Wash function has a higher priority than the interval function.
<u>Interval function:</u>	
<u>Intervall pasue:</u>	5,3s±1s
<u>Wipe-Wash-function:</u>	
<u>Wipe time:</u>	3,5s±1s
<u>Switching current:</u>	Normally closed contact 10A Normally open contact 20 A
<u>Compliance:</u>	Plastic housing with terminals according to DIN EN ISO 8092 6,3x0,8 OH und 2,8x0,8 OH.
<u>Materials:</u>	Housing PA 6.6 GF 30 black Base plate PA 6.6 GF 30 black Terminals CuZn30 tinned
<u>Operating voltage:</u>	18 VDC...32 VDC
<u>Operating temperature:</u>	-35°C...+85°C
<u>Storage temperature:</u>	-40°C...+85°C
<u>Weight:</u>	23g
<u>Connection:</u>	According to 41 9 5001 S Page 2
<u>Installation:</u>	On plug-in socket

Connection plan



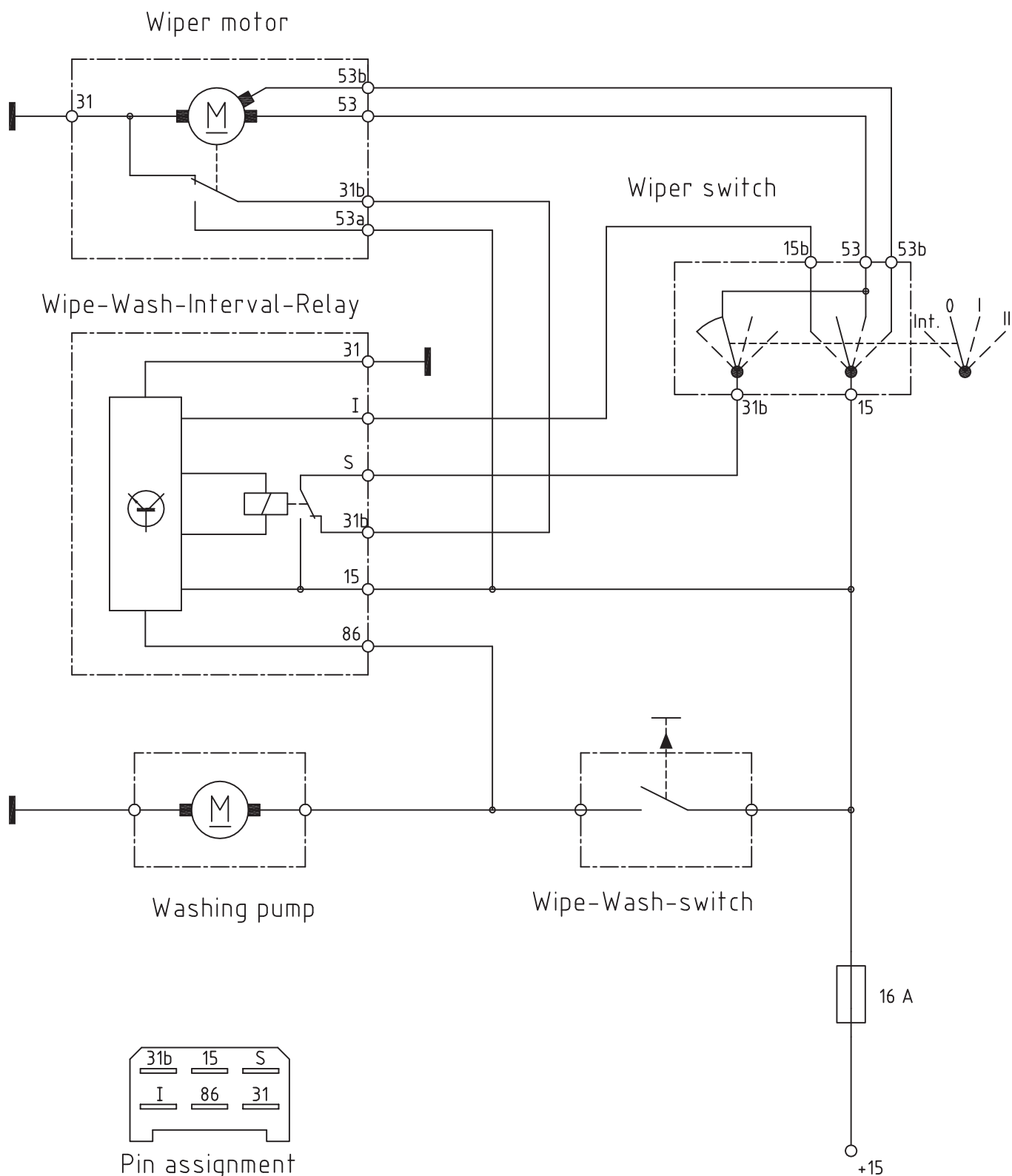


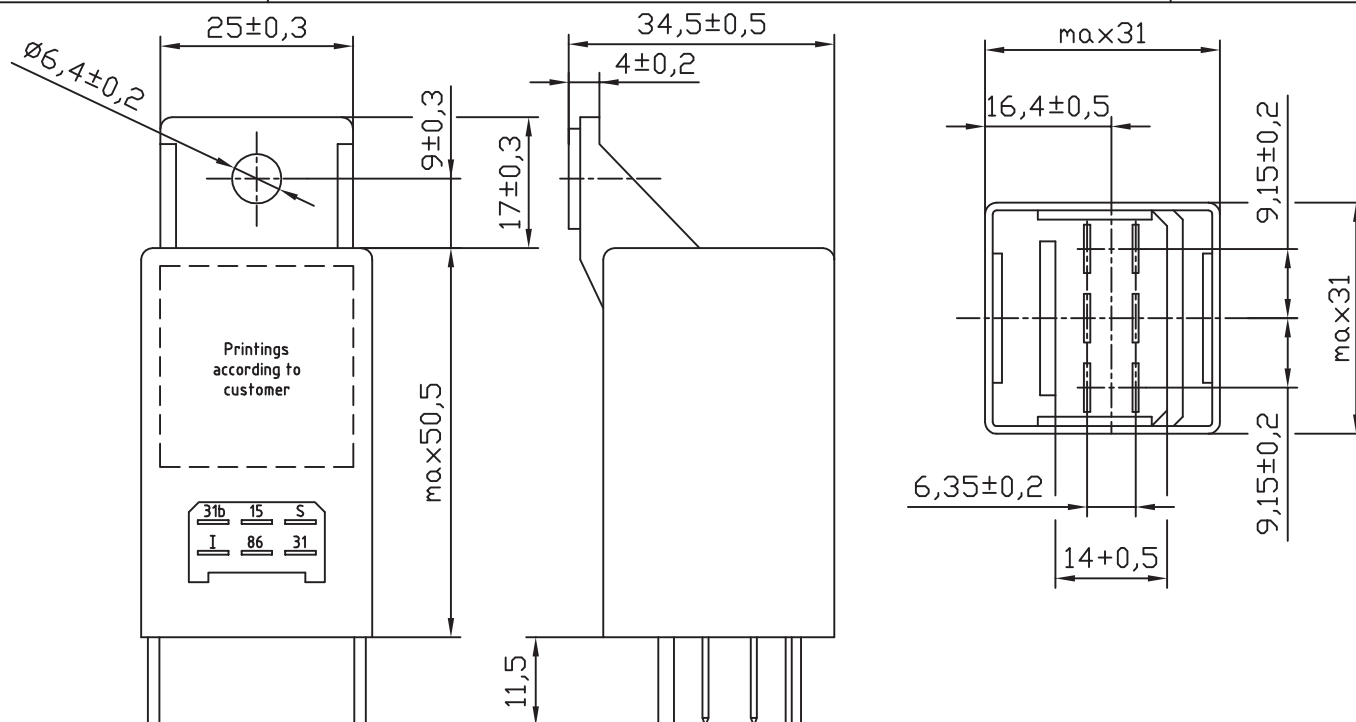
Dimensions in mm

Order number: 41 9 5002

<u>Nominal voltage:</u>	12 VDC
<u>Usage:</u>	In combination with an appropriate Wiperswitch, the Wipe-Wash-Interval-Relay controls a Wiper motor in interval operation or a Washing pump and a Wiper motor in Wipe-Wash operation. The Wipe-Wash function has a higher priority than the interval function.
<u>Interval function:</u>	
<u>Interval pause:</u>	5s±1s
<u>Switch-on delay:</u>	<1s
<u>Wisch-Wasch-Function:</u>	
<u>Wipe time:</u>	4s±1s
<u>Switching current:</u>	Normally closed contact 10A Normally open conact 20 A
<u>Compliance:</u>	Plastic housing with terminals according to DIN EN ISO 8092-1 6,3x0,8 OH
<u>Materials:</u>	Housing PA 6.6 GF 30 black Base plate PA 6.6 GF 30 black Terminals CuZn30 tinned
<u>Operating voltage:</u>	10 VDC...15 VDC
<u>Operating temperature:</u>	-25°C...+70°C
<u>Storage temperature:</u>	-40°C...+90°C

Connection plan





Dimensions in mm

Order number: 41 9 5003

Nominal voltage:

24 VDC

Usage:

In combination with an appropriate Wiperswitch, the Wipe-Wash-Interval-Relay controls a Wiper motor in interval operation or a Washing pump and a Wiper motor in Wipe-Wash operation. The Wipe-Wash function has a higher priority than the interval function.

Interval function:

Interval pause:

$5s \pm 1s$

Switch-on delay:

$< 1s$

Wipe-Wash-function:

Wipe time:

$4s \pm 1s$

Switching current:

Normally closed contact 5A

Normally open contact 10 A

Compliance:

Plastic housing with terminals according to

DIN EN ISO 8092-1 6,3x0,8 OH

Materials:

Housing PA 6.6 GF 30 black

Base plate PA 6.6 GF 30 black

Terminals CuZn30 tinned

Operating voltage:

20 VDC...30 VDC

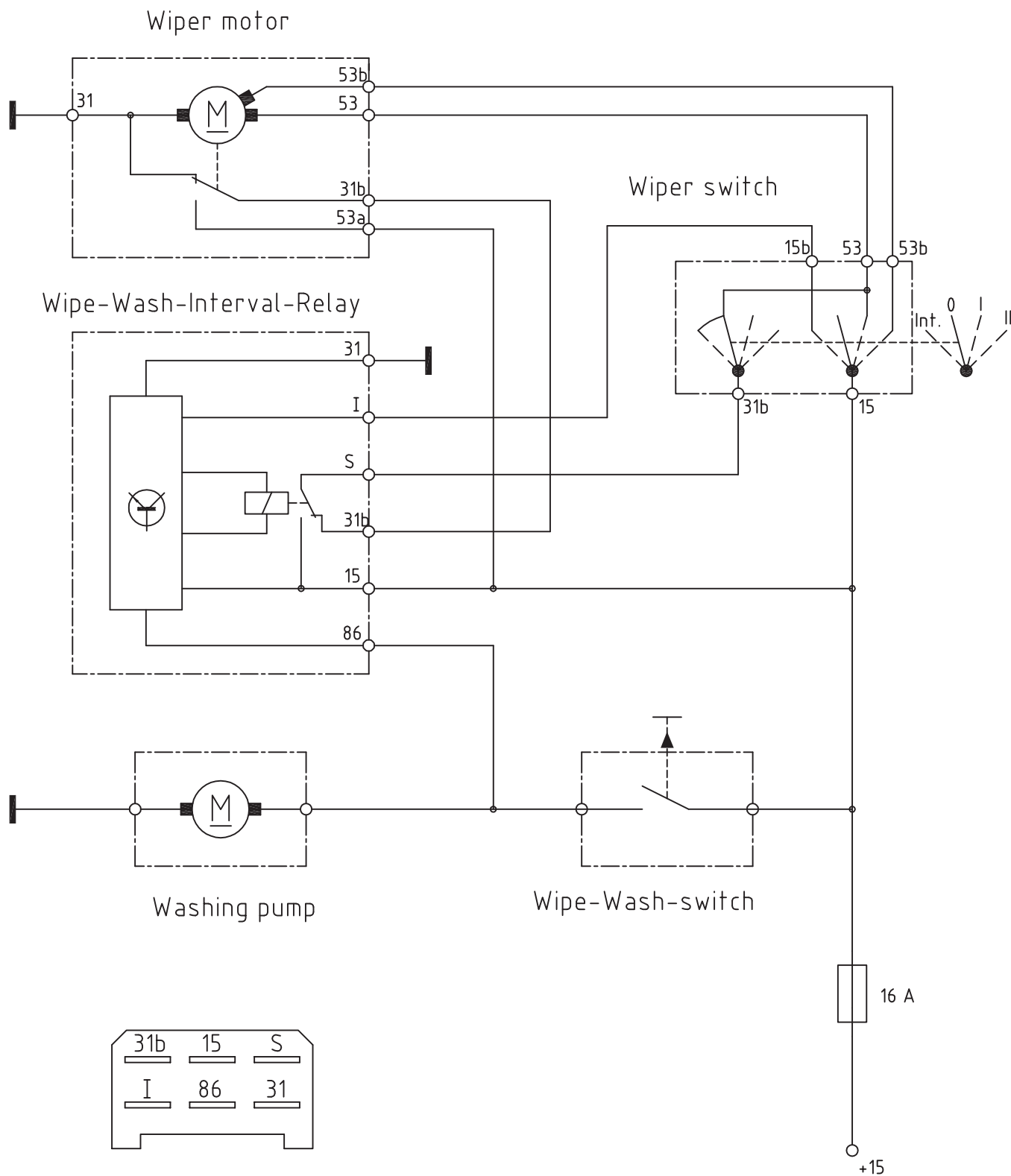
Operating temperature:

$-25^{\circ}\text{C} \dots +70^{\circ}\text{C}$

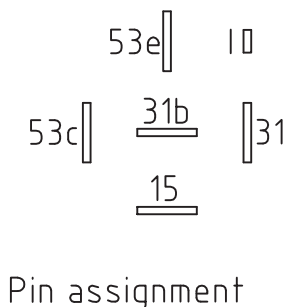
Storage temperature:

$-40^{\circ}\text{C} \dots +90^{\circ}\text{C}$

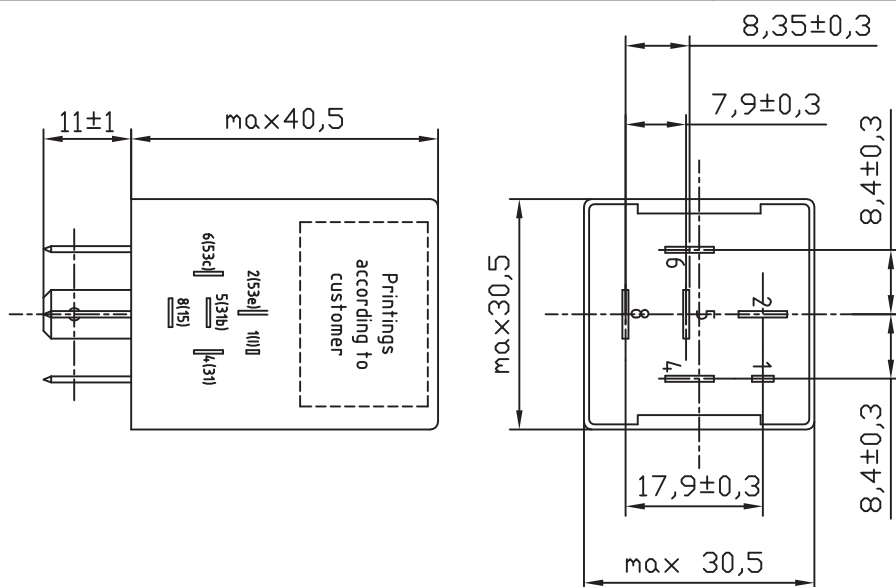
Connection plan



Pin assignment



Dimensions in mm



Order number: 41 9 5004

Nominal voltage:

24 VDC

Usage:

In combination with an appropriate Wiperswitch, the Wipe-Wash-Interval-Relay controls a Wiper motor in interval operation or a Washing pump and a Wiper motor in Wipe-Wash operation. The Wipe-Wash function has a higher priority than the interval function.

Interval function:

Interval pause:

5,3s±1s

Wipe-Wash-function:

Wipe time:

3,5s±1s

Switching current:

Normally closed contact (31b): 15A

Normally open contact (15): 25 A

Compliance:

Plastic housing with terminals according to DIN EN ISO 8092 6,3x0,8 OH und 2,8x0,8 OH.

Materials:

Housing PA 6.6 GF 30 black

Base plate PA 6.6 GF 30 black

Terminals CuZn30 tinned

Operating voltage:

18 VDC...32 VDC

Operating temperature:

-35°C...+85°C

Storage temperature:

-40°C...+85°C

Connection:

According to 41 9 5004 S Page 2

Installation:

On plug-in socket

Connection plan

