



EUROCARD HOLDERS / CONTROL MODULES

- Flexible applications
- Compact modules
- Connections with up to 96-poles

THE IDEAL CONTROL TECHNOLOGY FOR THE CABINET

Various electronic circuits are fitted onto 100 x 160 mm Eurocards and then placed in 19" system housings. Murrelektronik's Eurocard holders are designed to mount Eurocards on DIN rails in the cabinet.

In control systems, units are used which require analog control signals (i.e. 0...10 V DC). With these well designed MPOT potentiometer modules, it is simple, cheap and easy to solve your set-point problems. The diode modules of the MKS series are designed for decoupling and interference applications. The LED indicators are available with diameters of 3, 5, and 10 mm. With their compact design, they are suitable for installation in front panels or process flow diagrams.

Eurocard Holders



SKT

Page 1.14.1



SKP

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Control Modules



Potentiometer modules
MPOT

Page 1.14.9



Diode modules
MKS-D, MKS-LDP, MKS-BCD

Page 1.14.10



Assembly modules
MKS-M, ML 14, MP

Page 1.14.12

EUROCARD HOLDERS / CONTROL MODULES

Eurocard holders

– For Eurocards 100 × 160 mm

SKT

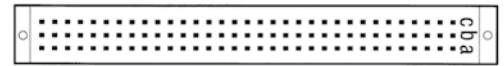
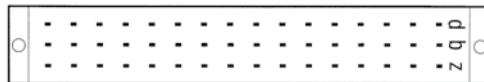
32-pole F (EN 60603)
Screw terminals



SKT

32-pole C (EN 60603)
Screw terminals

Circuit diagram



Order Data

	Art-No.	Art-No.
Configuration (Row b, z)	63510	
Configuration (Row d, z)	63518	
Configuration (Row a, c)		63516

Technical Data

Operating voltage	250 V AC	
Operating current	max. 4 A	max. 2 A
Configuration	32-pole F (EN 60603)	32-pole C (EN 60603)
Air and creepage distances	(EN 60664-1) over voltage, category I	
Material	Plastic, flame retardant	

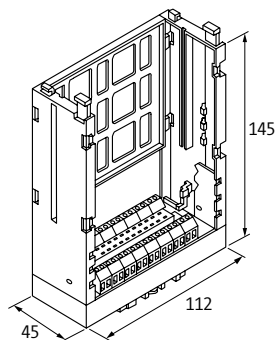
General data

Connection	4 mm ² single core
Mounting method	DIN-rail mountable (EN 60715) in vertical or horizontal position or screw fixing

Description

Functional description
To insert the card first press down the 2 yellow buttons. Then slide the Eurocard into the guide slots pushing until fully engaged. The card is now locked into position. It can be removed by pressing down on the 2 yellow buttons.

Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Eurocard holders

– For Eurocards 100 × 160 mm

SKT

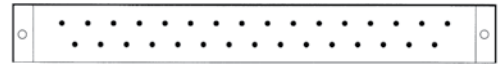
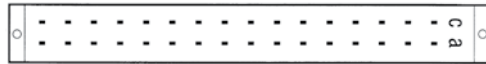
32-pole D (EN 60603)
Screw terminals



SKT

31-pole (DIN 41617)
Screw terminals

Circuit diagram



Order Data	Art-No.	Art-No.
Configuration (Row a, c)	63512	
Configuration (all)		63501

Technical Data

Operating voltage	250 V AC	
Operating current	max. 4 A	max. 5 A
Configuration	32-pole D (EN 60603)	31-pole (DIN 41617)
Air and creepage distances	(EN 60664-1) over voltage, category I	
Material	Plastic, flame retardant	

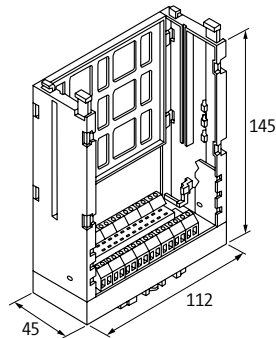
General data

Connection	4 mm ² single core
Mounting method	DIN-rail mountable (EN 60715) in vertical or horizontal position or screw fixing

Description

Functional description	To insert the card first press down the 2 yellow buttons. Then slide the Eurocard into the guide slots pushing until fully engaged. The card is now locked into position. It can be removed by pressing down on the 2 yellow buttons.
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Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Eurocard holders

– For Eurocards 100 × 160 mm

SKP

48-pole F (EN 60603)
Screw terminals

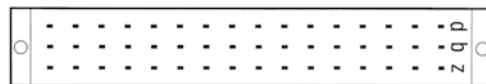


SKP

32-pole F (EN 60603)
Spring clamp terminals



Circuit diagram



Order Data

Configuration (Row z, b, d)

Art-No.

63020

Art-No.

4000-63011-4304800

Configuration (Row b, z)

4000-63011-4253200

Accessories

Adapter

Art-No.

63900

Technical Data

Operating voltage

250 V AC

Operating current

max. 4 A

Configuration

48-pole F (EN 60603)

32-pole F (EN 60603)

Air and creepage distances

(EN 60664-1) over voltage, category I

Material

Plastic, flame retardant

General data

Connection

4 mm² single core

Mounting method

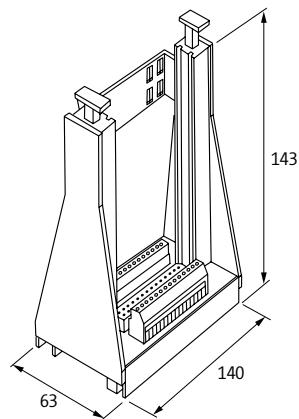
DIN-rail mountable (EN 60715) or screw fixing

Description

Functional description

To insert the card first press down the 2 yellow buttons. Then slide the Eurocard into the guide slots pushing until fully engaged. The card is now locked into position. It can be removed by pressing down on the 2 yellow buttons.

Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Eurocard holders

– For Eurocards 100 × 160 mm

SKP

32-pole C (EN 60603)
Screw terminals

SKP

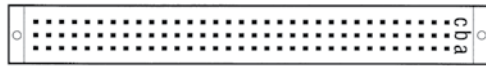
64-pole C (EN 60603)
Screw terminals

SKP

64-pole C (EN 60603)
Spring clamp terminals



Circuit diagram



Order Data	Art-No.	Art-No.	Art-No.
Configuration (Row a, c)	631776	63043	4000-63011-1236400

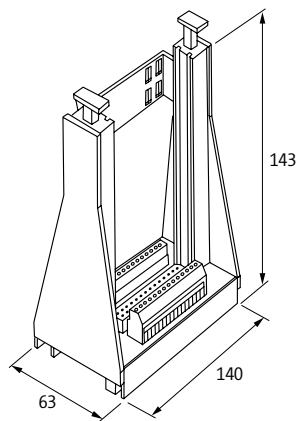
Accessories	Art-No.
Adapter	63900

Technical Data	
Operating voltage	250 V AC
Operating current	max. 2 A
Configuration	32-pole C (EN 60603) 64-pole C (EN 60603)
Air and creepage distances	(EN 60664-1) over voltage, category I
Material	Plastic, flame retardant

General data	
Mounting method	DIN-rail mountable (EN 60715) or screw fixing
Connection	4 mm ² single core

Description	
Functional description	To insert the card first press down the 2 yellow buttons. Then slide the Eurocard into the guide slots pushing until fully engaged. The card is now locked into position. It can be removed by pressing down on the 2 yellow buttons.

Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Eurocard holders

– For Eurocards 100 × 160 mm

SKP

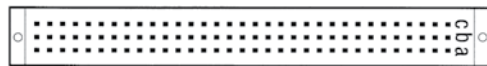
64-pole C (EN 60603)
Screw terminals
with LED



SKP

96-pole C (EN 60603)
Screw terminals

Circuit diagram



Order Data

Configuration (Row a, c)
Configuration (Row a, b, c)

Art-No.

631615

Art-No.

636013

Accessories

Adapter

Art-No.

63900

Technical Data

Operating voltage	24 V DC	125 V AC
Operating current	max. 2 A	max. 1 A
Configuration	64-pole C (EN 60603)	96-pole C (EN 60603)
Air and creepage distances	(EN 60664-1) over voltage, category II	(EN 60664-1) over voltage, category I
Material	Plastic, flame retardant	

General data

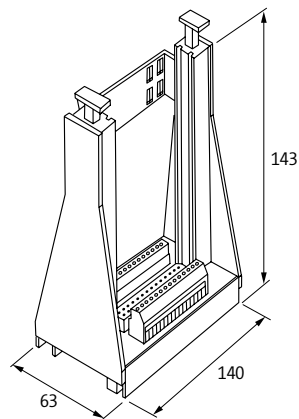
Connection: 4 mm² single core
Mounting method: DIN-rail mountable (EN 60715) or screw fixing

Description

Functional description

To insert the card first press down the 2 yellow buttons. Then slide the Eurocard into the guide slots pushing until fully engaged. The card is now locked into position. It can be removed by pressing down on the 2 yellow buttons.

Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Eurocard holders

– For Eurocards 100 × 160 mm

SKP

64-pole B (EN 60603)
Screw terminals



SKP

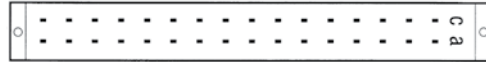
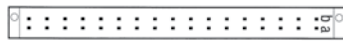
32-pole D (EN 60603)
Screw terminals

SKP

32-pole D (EN 60603)
Spring clamp terminals



Circuit diagram



Order Data	Art-No.	Art-No.	Art-No.
Configuration (Row a, b)	63042		
Configuration (Row a, c)		630732	4000-63011-2203200

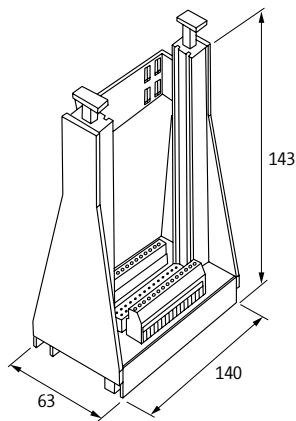
Accessories	Art-No.
Adapter	63900

Technical Data	
Operating voltage	250 V AC
Operating current	max. 2 A max. 4 A
Configuration	64-pole B (EN 60603) 32-pole D (EN 60603)
Air and creepage distances	(EN 60664-1) over voltage, category I (EN 60664-1) over voltage, category II
Material	Plastic, flame retardant

General data	
Connection	4 mm ² single core
Mounting method	DIN-rail mountable (EN 60715) or screw fixing

Description	
Functional description	To insert the card first press down the 2 yellow buttons. Then slide the Eurocard into the guide slots pushing until fully engaged. The card is now locked into position. It can be removed by pressing down on the 2 yellow buttons.

Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Eurocard holders

– For Eurocards 100 × 160 mm

SKP

64-pole G (EN 60603)
Screw terminals



SKP

64-pole G (EN 60603)
Spring clamp terminals

SKP

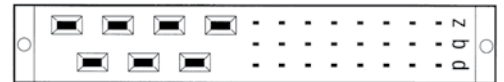
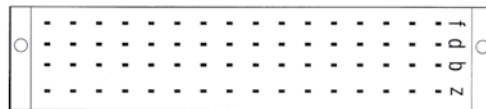
24-, 7-pole M (EN 60603)
Screw terminals

SKP

24-, 7-pole M (EN 60603)
Spring clamp terminals



Circuit diagram



Order Data

	Art-No.	Art-No.	Art-No.	Art-No.
Configuration (Row z, b, d, f)	63040	4000-63011-5406400		
Configuration (Row z, b, d)			63048	4000-63011-6302470

Accessories

	Art-No.
Adapter	63900

Technical Data

Operating voltage	250 V AC	250 V AC (24-pole) / 500 V AC (7-pole)
Operating current	max. 3 A	max. 4 A (24-pole) / 15 A (7-pole)
Configuration	64-pole G (EN 60603)	24-, 7-pole M (EN 60603)
Air and creepage distances	(EN 60664-1) over voltage, category I	
Material	Plastic, flame retardant	

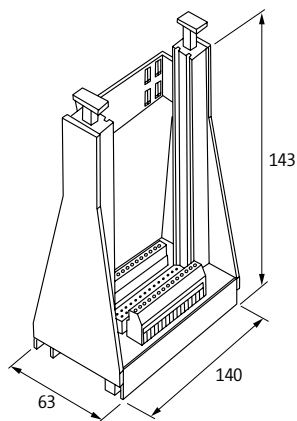
General data

Connection	4 mm ² single core
Mounting method	DIN-rail mountable (EN 60715) or screw fixing

Description

Functional description
To insert the card first press down the 2 yellow buttons. Then slide the Eurocard into the guide slots pushing until fully engaged. The card is now locked into position. It can be removed by pressing down on the 2 yellow buttons.

Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Eurocard holders

– For Eurocards 100 × 160 mm

SKP 31 / I

31-pole (DIN 41617)
Screw terminals

SKP 31 / II

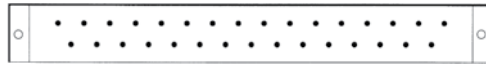
31-pole (DIN 41617)
Screw terminals

SKP 31 / II

31-pole (DIN 41617)
Spring clamp terminals



Circuit diagram



Order Data	Art-No.	Art-No.	Art-No.
Configuration (all)	63001	63007	4000-63011-9203100

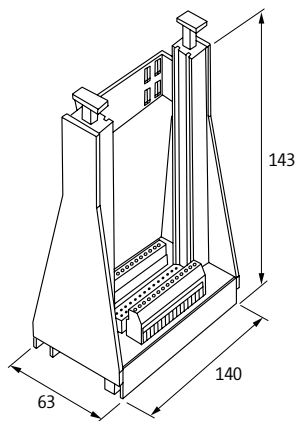
Accessories	Art-No.
Adapter	63900

Technical Data	
Operating voltage	250 V AC
Operating current	max. 5 A
Configuration	31-pole (DIN 41617)
Air and creepage distances	(EN 60664-1) over voltage, category I
Material	Plastic, flame retardant

General data	
Connection	4 mm ² single core
Mounting method	DIN-rail mountable (EN 60715) or screw fixing

Description	
Functional description	To insert the card first press down the 2 yellow buttons. Then slide the Eurocard into the guide slots pushing until fully engaged. The card is now locked into position. It can be removed by pressing down on the 2 yellow buttons.

Dimension drawing



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Notes

Potentiometer modules

MPOT

270° potentiometer with relay contact



MPOT

10-turn potentiometer with relay contact



MPOT

270° potentiometer

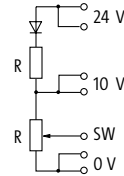
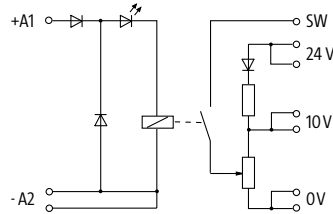


MPOT

10-turn potentiometer



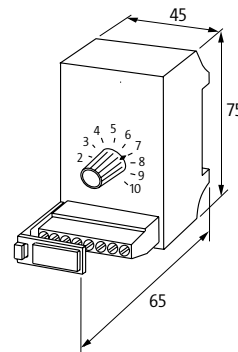
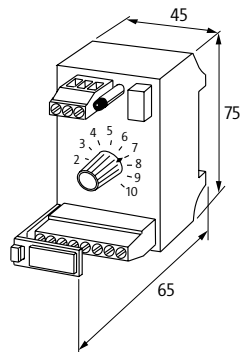
Circuit diagram



Order Data	Art-No.	Art-No.	Art-No.	Art-No.
1 kOhm	67551	67561	67501	67511
5 kOhm	67555	67565	67505	67515
10 kOhm	67552	67562	67502	67512
100 kOhm	67553		67503	67513

Technical Data				
Resistance tolerance	±20 %	±5 %	±20 %	±5 %
Linearity	±3 %	±0.25 %	±3 %	±0.25 %
Power: potentiometer	1 W	1.4 W (2 W at 40 °C)	1 W	1.4 W (2 W at 40 °C)
Power: resistor	0.25 W			
Input				
Input voltage	24 V DC		–	
Input current	20 mA		–	
LED display	LED (green)		–	
Output				
Switching voltage	10 V DC or 24 V DC		–	
Switching current per output	1 mA/1 A		–	
Contact material	PdNi-Au Rh		–	
General data				
Temperature range	0...+60 °C			
Mounting method	DIN-rail mountable (EN 60715)			

Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Diode modules

MKS-D

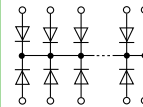
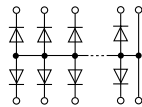
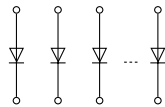
separation contact via pluggable jumpers

MKS-D

Diodes with common potential



Circuit diagram



Order Data	Art-No.	Art-No.	Art-No.
Single potential (6 diodes)	67063		
Com. potential anode (10 diodes)		67040	
Com. potential cathode (10 diodes)			67045

Technical Data

Operating voltage max. 48 V AC/DC

General data

Temperature range -20...+60 °C

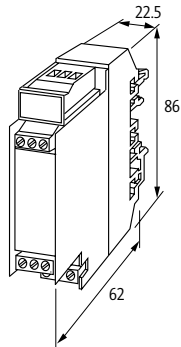
Connection Screw terminals: max. 4 mm²

Mounting method DIN-rail mountable TH35 or G32 (EN 60715)

Description

Functional description Diode modules are suitable for the suppression of inductive loads (valve, contactor, etc.)

Dimension drawing



Notes

Diode modules

MKS-D

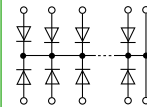
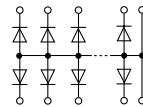
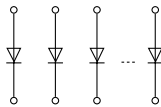
separation contact via pluggable jumpers

MKS-D

Diodes with common potential



Circuit diagram



Order Data

	Art-No.	Art-No.	Art-No.
Single potential (10 diodes)	67066		
Com. potential anode (20 diodes)		67052	
Com. potential cathode (20 diodes)			67057

Technical Data

Operating voltage max. 48 V AC/DC

General data

Temperature range -20...+60 °C

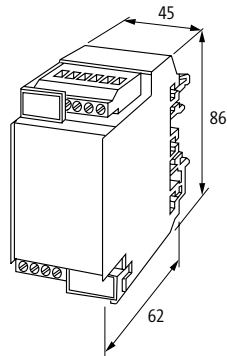
Connection Screw terminals: max. 4 mm²

Mounting method DIN-rail mountable TH35 or G32 (EN 60715)

Description

Functional description Diode modules are suitable for the suppression of inductive loads (valve, contactor, etc.)

Dimension drawing



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Notes

EUROCARD HOLDERS / CONTROL MODULES

Assembly modules

MKS-M

screw terminals connected to solder pin pairs



MKS-M

screw terminals connected to solder pin pairs



ML 14

with breadboard

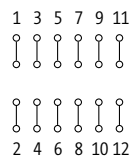
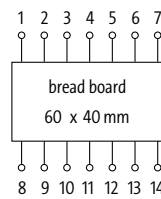
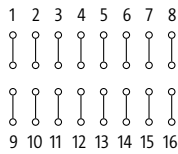
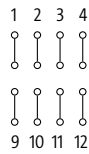


MP

screw terminals connected to solder pin pairs



Circuit diagram



Order Data	HxWxD	Art-No.	HxWxD	Art-No.	HxWxD	Art-No.	HxWxD	Art-No.
Pairs of solder pins 4/30 mm		67081						
Pairs of solder pins 8/40 mm				67083				
Pairs of solder pins 14						92200		
Pairs of solder pins 6/24 mm							63x45x36 mm	62001
Pairs of solder pins 6/50 mm							90x63x36 mm	62030
Pairs of solder pins 12/24 mm							63x70x36 mm	62010
Pairs of solder pins 16/24 mm							63x90x36 mm	62020

Technical Data

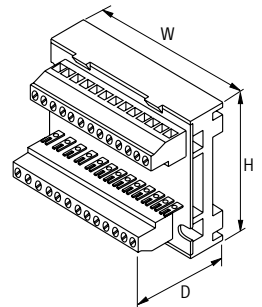
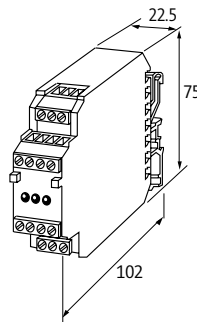
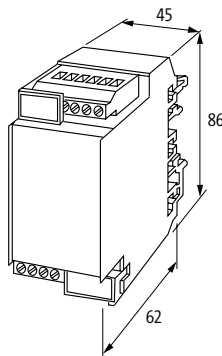
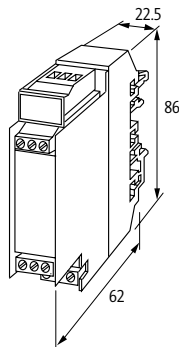
Operating voltage	max. 250 V AC/DC		
Operating current	max. 2.5 A	max. 5 A	

General data

Temperature range	-20...+60 °C		
Mounting method	DIN-rail mountable TH35 or G32 (EN 60715)		DIN-rail mountable TH35 or G32 (EN 60715) or screwable

Connection	Screw terminals: max. 4 mm ² , pairs of solder pins (spacing 5 mm)		
Housing	Plastic, flame retardant. Cover removable	Plastic, flame retardant. Housing closed, side part removable.	Plastic, flame retardant. Open design.


Dimension drawing



Notes

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EUROCARD HOLDERS / CONTROL MODULES

Accessories			Art-No.
	ACS label plate KM 5		
	for self marking (9 × 20 mm)		7000-99001-0000000
	for self marking with ADEMARK markers		7000-99003-0000000