

## DIN Rail-Mountable Sockets EMG...-SD and SD-.../(LA)

### 1. Description

DIN rail-mountable sockets in standard format are just as important in modern control cabinets as in simple power distribution systems.

The socket, mounted in an easily accessed position, provides a quick connection for assembly tools, servicing equipment, and other electrical equipment.

A 90 mm (3.543 in.) double socket is available in addition to the 45 mm (1.772 in.) standard socket to provide more connections in the control cabinet.

This socket stands out due to its compact structure. The connection terminals, which are protected against accidental contact, demonstrate the high standard of quality associated with Phoenix Contact. The mains connection terminals (L1, N, and PE) are provided on one side of the socket for easy connection. In addition, a device ID plate can be mounted on the housing.

The 45 mm (1.772 in.) socket is available with or without a fuse. The fuse is a 6.3 A, 5 x 20 mm (0.197 x 0.787 in.) glass fuse.

In parts of the system where equipment is still powered up after the main switch has been turned off, this equipment should be marked according to DIN VDE 0105-1 and IEC 204-1/EN 60 204-1/ DIN VDE 0113 Part 1 and German accident prevention regulation VBG 4. A socket version in yellow housing is provided for this type of application.

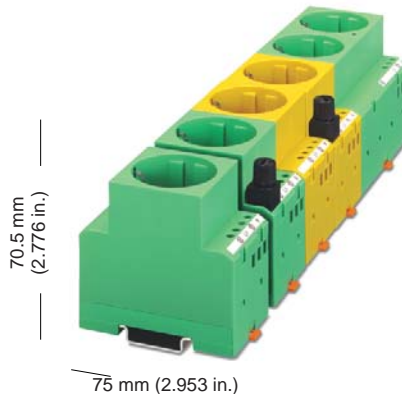
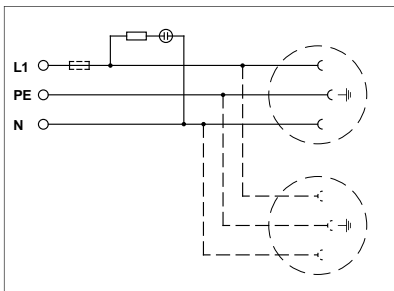
Both 45 mm (1.772 in.) standard and 90 mm (3.543 in.) double housing sockets can be quickly snapped onto the symmetrical DIN rail according to EN 50 022.

The contact protected sockets are available in the following cost-effective versions:

- Screw or spring-cage connection
- With or without LED
- Schuko, Belgian, French or USA version
- Green, yellow or light gray housing



2. Technical Data



**SD-.../LA**  
**EMG...SD**

Housing width 45 and 90 mm (1.772 and 3.543 in.)

|            |                        |  |  |  |  |
|------------|------------------------|--|--|--|--|
| <b>M 3</b> | <b>7 mm (0.28 in.)</b> |  |  |  |  |
|            |                        |  |  |  |  |

|                 | Solid [mm <sup>2</sup> ] | Stranded AWG | I [A]   | U [V] |
|-----------------|--------------------------|--------------|---------|-------|
| Connection data | 0.2 - 4                  | 0.2 - 2.5    | 25 - 12 | *     |
|                 |                          |              | 30 - 12 | 15    |
|                 |                          |              |         | 125   |

\* For current, see Technical Data.

only SD-D/SC/LA and EMG 45...  
 only SD-US

| Description  | Housing Width [mm]   | Type  | Order No.            | Pcs. Pkt.                   |            |   |
|--|----------------------|---|----------------------|-----------------------------|------------|---|
| <b>DIN rail-mountable socket</b><br>with LED,<br>green, yellow (...YE), and gray (...GY) housing<br>(see type description) | 45 mm<br>(1.772 in.) | <b>SD-D/SC/LA</b>   | 29 64 89 8           | 5                           |            |   |
|  |                      | <b>SD-D/SC/LA/GY</b>  | 29 63 49 1           | 5                           |            |   |
|  |                      | <b>SD-D/SC/LA/YE</b>  | 29 63 40 4           | 5                           |            |   |
|  |                      | <b>SD-D/SP/LA</b>   | 29 63 30 7           | 5                           |            |   |
|  |                      | <b>SD-D/SP/LA/GY</b>  | 29 63 48 8           | 5                           |            |   |
|  |                      | <b>SD-D/SP/LA/YE</b>  | 29 63 47 5           | 5                           |            |   |
|  |                      | <b>SD-F/SC/LA</b>   | 29 63 33 6           | 5                           |            |   |
|  |                      | <b>SD-F/SC/LA/GY</b>  | 29 63 84 4           | 5                           |            |   |
|  |                      | <b>SD-F/SC/LA/YE</b>  | 29 63 90 9           | 5                           |            |   |
|  |                      | <b>SD-US/SC/LA/GY</b>   | 29 63 86 0           | 10                          |            |   |
|  |                      | <b>SD-BR/SC/LA/GY</b>   | 29 63 88 6           | 10                          |            |   |
|  |                      | <b>SD-F/SP/LA</b>   | 29 63 34 9           | 5                           |            |   |
| <b>SD-F/SP/LA/GY</b>   | 29 63 85 7           | 5   |                      |                             |            |   |
| <b>DIN rail-mountable socket</b><br>as above. Without LED  | 45 mm<br>(1.772 in.) | <b>SD-D/SC</b>  | 29 63 31 0           | 5                           |            |   |
|  |                      | <b>SD-D/SC/GY</b>   | 29 63 81 5           | 5                           |            |   |
|  |                      | <b>SD-D/SC/YE</b>   | 29 63 45 9           | 5                           |            |   |
|  |                      | <b>SD-D/SP</b>  | 29 63 32 3           | 5                           |            |   |
|  |                      | <b>SD-D/SP/GY</b>   | 29 63 50 1           | 5                           |            |   |
|  |                      | <b>SD-D/SP/YE</b>   | 29 63 46 2           | 5                           |            |   |
|  |                      | <b>SD-F/SC</b>  | 29 63 35 2           | 5                           |            |   |
|  |                      | <b>SD-F/SC/GY</b>   | 29 63 82 8           | 5                           |            |   |
|  |                      | <b>SD-F/SP</b>  | 29 63 36 5           | 5                           |            |   |
|  |                      | <b>SD-F/SP/GY</b>   | 29 63 83 1           | 5                           |            |   |
|  |                      | <b>DIN rail-mountable socket,</b><br>with glow lamp and fuse 5 x 20 mm (0.197 x 0.787 in.) to<br>6.3 A maximum; green, yellow (...YE) housing | 45 mm<br>(1.772 in.) | <b>EMG 45-SD-D/LA/SI</b>    | 29 43 73 8 | 5 |
|  |                      |   |                      | <b>EMG 45-SD-D/LA/SI/YE</b> | 29 40 82 5 | 5 |
| <b>EMG 45-SD-D/LA/SI/2A</b>  | 29 63 89 9           |   |                      | 5                           |            |   |
| <b>DIN rail-mountable double socket,</b><br>with glow lamp, green housing  | 90 mm<br>(3.543 in.) | <b>EMG 90-2SD-D/LA</b>  | 29 41 52 3           | 1                           |            |   |
| <b>Device ID plate</b> for<br>sockets in EMG housing   | Narrow<br>Normal     |   | <b>EMG-SGKS</b>      | 29 47 58 5                  |            |   |
|  |                      |   | <b>EMG-GKS</b>       | 29 47 03 5                  |            |   |

# DIN Rail-Mountable Sockets – EMG...-SD and SD-.../(LA)

## Technical Data

Grounding socket  
 Connection voltage  
 Maximum continuous current  
 Ambient operating temperature range  
 Contact material  
 Status indicator

**SD-.../LA**      **SD-US/SC/LA...**    **EMG 45-SD-D/LA/SI**  
**EMG 90-2SD-D/LA**

|                      |                  |                     |
|----------------------|------------------|---------------------|
| IEC 83/DIN 49 440-1  | UL 498           | IEC 83/DIN 49 440-1 |
| 250 V AC             | 125 V AC         | 250 V AC            |
| 10 A DC, 16 A AC     | 15 A AC          | 6.3 A AC            |
| -20°C to +60°C       | -20°C to +60°C   | -20°C to +60°C      |
| (-4°F to +140°F)     | (-4°F to +140°F) | (-4°F to +140°F)    |
| CuZn37               | CuZn37           | CuZn37              |
| Glow lamp/LED        | LED with         | Glow lamp           |
| with series resistor | series resistor  |                     |

## Type Description of SD-.../LA Sockets:

|                   | SD   | - | D | / | SC | / | LA |
|-------------------|--|---|---|---|----|---|----|
| Country versions  | D = Germany<br>F = France/Belgium<br>US = USA/Canada           |   |   |   |    |   |    |
| Connection method | SC = screw (screw terminal block)<br>SP = spring (spring-cage) |   |   |   |    |   |    |
| LED               | LA = with indicator  |   |   |   |    |   |    |

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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