## DSX switch disconnector DIN rail mounting

Reference(s):
4240 00; 4240 01; 4240 02; 4240 03; 4240 04; 4240 05;
4240 06; 4240 07; 4240 08; 4240 09; 4240 46; 424047


| CONTENTS | PAGES |
| :--- | :---: |
| 1. USE | 1 |
| 2. RANGE | 1 |
| 3. DIMENSIONS AND WEIGHTS | 1 |
| 4. OVERVIEW | 2 |
| 5. ELECTRICAL CONNECTIONS | 2 |
| 6. ELECTRICAL AND MECHANICAL |  |
| $\quad$ CHARACTERISTICS | 3 |
| 7. CONFORMITY | 4 |
| 8. EQUIPMENTS AND ACCESSORIES | 5 |

## 1. USE

DSX platform has been developed to give a new solution for switch disconnection, providing a complete platform in standard market segments.
Suitable for long-life projects due to its large electrical duration, DSX range offers optimum performances in Open and Close operation and in operation quality, giving also a complete range of accessories, at a competitive cost.

## 2. RANGE

| DSX - DIN rail mounting |  |  |  |
| :---: | :---: | :---: | :---: |
| Frame | $\mathbf{I}_{\mathbf{n}}[\mathbf{A}]$ | $3 P$ | 4 P |
| 1 | 32 | 424000 | 424006 |
|  | 40 | 424001 | 424007 |
|  | 63 | 424002 | 424008 |
| 2 | 100 | 424003 | 424009 |
|  | 125 | 424004 | 424046 |
|  | 160 | 424005 | 424047 |

For "Frame 1", each pole is 1 DIN module wide For "Frame 2", each pole is 1 DIN module wide

## 3. DIMENSIONS AND WEIGHTS 3.1 Dimensions

Frontal, upper and lateral view (Frame 1-3 poles)


Frontal, upper and lateral view (Frame 1-4 poles)


Frontal, upper and lateral view (Frame 2-3 poles)


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### 6.2. Degree of protection device (IP), with terminal

 shields- IP20 - Standalone
- IP40 - With Terminal Shield
- IP40 - With Terminal Shield inside panel
- IP55 - With Terminal Shield \& VD Handle inside panel


### 6.3 Category of use

| DIN switch | of use sconnector $1 \& 2$ | Frame 1-63A |  |  | Frame 2-160A |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AC $20 \mathrm{~A} / \mathrm{B}$ | 415 VA AC | 32 | 40 | 63 | 100 | 125 | 160 |
| AC $21 \mathrm{~A} / \mathrm{B}$ |  | 32 | 40 | 63 | 100 | 125 | 160 |
| AC $22 \mathrm{~A} / \mathrm{B}$ |  | 32 | 40 | 63 | 100 | 125 | 160 |
| AC $23 \mathrm{~A} / \mathrm{B}$ |  | 32 | 40 | 63 | 100 | 125 | 160 |
| AC $20 \mathrm{~A} / \mathrm{B}$ | 500 VA AC | 32 | 40 | 63 | 100 | 125 | 160 |
| AC $21 \mathrm{~A} / \mathrm{B}$ |  | 32 | 40 | 63 | 100 | 125 | 160 |
| AC $22 \mathrm{~A} / \mathrm{B}$ |  | 32 | 40 | 40 | 100 | 125 | 125 |
| AC $23 \mathrm{~A} / \mathrm{B}$ |  | 25 | 25 | 25 | 63 | 63 | 63 |
| AC $20 \mathrm{~A} / \mathrm{B}$ | 690 VA AC | 32 | 40 | 63 | - | - | - |
| AC $21 \mathrm{~A} / \mathrm{B}$ |  | 32 | 40 | 63 | - | - | - |
| AC $22 \mathrm{~A} / \mathrm{B}$ |  | 32 | 40 | 40 | - | - | - |
| AC $23 \mathrm{~A} / \mathrm{B}$ |  | 25 | 25 | 25 | - | - | - |
| DC $20 \mathrm{~A} / \mathrm{B}$ | 250 V DC | 32 | 40 | 63 | 100 | 125 | 160 |
| DC 21 A/B |  | 32 | 40 | 63 | 100 | 125 | 160 |
| DC 22 A/B |  | 32 | 40 | 40 | 100 | 125 | 125 |
| DC $23 \mathrm{~A} / \mathrm{B}$ |  | 25 | 25 | 25 | 63 | 63 | 63 |

### 6.4 DERATINGS

according to IEC/EN 60947-1

### 6.4.1 Temperature

Rated current and his adjustment must be considered relating to a rise or fall of ambient temperature and to a different version or installation conditions.

### 6.4.2 Specific condition use

Climatic conditions
according to IEC/EN 60947-1 Annex Q, Cat. F subject to temperature, humidity, vibration, shock and salt mist.

## Pollution degree

for DSX transfer switched, degree 3, according to IEC/EN 60947-3.

### 6.4.3 Altitude

Altitude derating for DSX switch disconnector.

| Altitude [m] | 2000 | 3000 | 4000 | 5000 |
| :---: | :---: | :---: | :---: | :---: |
| Rated Voltage [V] | 690 | 590 | 520 | 460 |

DSX switch disconnector DIN rail mounting

4240 06; 4240 07; 4240 08; 4240 09; 4240 46; 424047

## 7. CONFORMITY

DSX range of product concerning switch-disconnectors exceed compliance with the IEC/EN standard 60947-1 and 60947-3 respectively. Certification available by IECEE CB-scheme.
DSX respect the European Directives REACh, RoHS, RAEE.

For specific information, please contact Legrand support.

### 7.1 Marking

Product are provided with labelling in full conformity to the referred standard and directives requirements by laser or sticker labels (for illustrative purposes only) as:

## Product laser label lateral and on front

- Denomination and type product
- Mark/Licence (if any)
- Directive requirements
- Made in
- Standard conformity

Below markings images refer to Ref. 424002 as an example, data marked on Frame 1 and Frame 2 may differ according to results coming from validation tests.


## Product sticker label on side

- Manufacturer responsible
- Denomination and type product
- Directive requirements
- QR code identification product
- Manufacturing Country
- EAN code and traceability code



## 424002

DSX 63 3P
Switch Disconnector 34149719207122312000001 In 63 A Icu=1.5kA for 1s
Made In India Design and Quality by LEGRAND (France) 23 W 5027 Illogrand' LEGRAND: Pro and Consumer Service BP 30076. 37002 LIMOGES CEDEX FRANCE

## Packaging sticker label

- Reference number
- Manufacturer responsible
- Denomination and type product
- Mark/Licence (if any)
- Directive requirements
- Bar code identification product
- Manufacturing Country
- Standard conformity



## 8. EQUIPMENTS AND ACCESSORIES

### 8.1 Additional poles (neutral)

To be clipped onto left or right side of a 3-pole switch-disconnectors Maximum 1 additional pole per switch

- Frame 1 \& rated current $I_{n}=32 \mathrm{~A}$

ref. 424204

- Frame $1 \&$ rated current $I_{n}=40 \mathrm{~A}$
- Frame 1 \& rated current $I_{n}=63 \mathrm{~A}$
ref. 424206
- Frame 2 \& rated current $\mathrm{I}_{\mathrm{n}}=100 \mathrm{~A}$ ref. 424219
- Frame 2 \& rated current $I_{n}=125 \mathrm{~A}$ ref. 424220
- Frame 2 \& rated current $I_{n}=160 \mathrm{~A}$ ref. 424221


### 8.2 Auxiliary contacts

- Auxiliary contact Simultaneous (1 NO + 1 NC ) ref. 424208
(Also usable with TSE's (transfer switch equipment)
Used to show the state of the contacts
Electrical characteristics: 5 A - 230 VA
Can be mounted on both sides of the switches: maximum 4
auxiliaries per switch (2 on each side)


### 8.3 Rotary handles (for front operation)

Direct on DSX switch disconnector

- Standard (black) ref. 424215
- For emergency use (red / yellow) ref. 424216

Vari-depth handle IP54
(Also usable with TSE's (transfer switch equipment)
Comprising: connection rod, bracket, self-adhesive drilling template, mounting accessories and door lock mechanism
Pad lockable in open position (up to $3 \varnothing 8 \mathrm{~mm}$ padlocks)

- Standard (black)

$$
\text { ref. } 424209
$$

- For emergency use (red/yellow)

$$
\text { ref. } 424210
$$

### 8.3 Sealable terminal shields (IP20)

(Also usable with TSE's (transfer switch equipment)

- Frame 1 \& 1-pole switch ref. 424203
- Frame 1 \& 3-pole switch ref. 424202
- Frame 2 \& 1-pole switch ref. 424214
- Frame 2 \& 3-pole switch ref. 424213

Data indicated in this document refers exclusively to test conditions according to product standards, unless otherwise indicated in the documentation.
For the different conditions of use of the product, inside electrical equipment or in any case inserted in the installation context, refer to the regulatory requirements of the equipment, local regulations, and design specifications of the system.

