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## SK 3201.300

## Thermoelectric cooler

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FRIEDHELM LOH GROUP



# SK 3201.300 - Thermoelectric cooler Total cooling/ heating output 80/80 W

The powerful, lightweight climate control units based on Peltier technology provide efficient cooling of command panels and small enclosures. Cooling/heating output 80/80 W.

## Features

|                                                   |                                                                                                                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.                                         | SK 3201.300                                                                                                                                                                  |
| Product description                               | Powerful thermoelectric cooling units in a lightweight design for the climate control of command panels and small enclosures.                                                |
| Material                                          | Device: Aluminium, anodised                                                                                                                                                  |
| General colour                                    | RAL 7015                                                                                                                                                                     |
| Colour                                            | Cover: RAL 7015                                                                                                                                                              |
| Supply includes                                   | Thermoelectric climate control unit<br>Fully wired ready for connection (plug-in terminal strip)<br>Mounting accessories<br>Filter mat<br>USB cable A/B<br>Drilling template |
| Total cooling output to<br>DIN EN 14511           | Cooling output L35 L35/50 Hz: 80 W                                                                                                                                           |
| Total cooling output L35 L30                      | Cooling output L35 L30/50 Hz : 100 W                                                                                                                                         |
| Rated operating voltage                           | 24 V (DC)                                                                                                                                                                    |
| Rated current max.                                | 4.5 A                                                                                                                                                                        |
| Start-up current (LRA)                            | 4.5 A                                                                                                                                                                        |
| Air throughput (unimpeded air<br>flow)            | External circuit: 45 m³/h<br>Internal circuit: 45 m³/h                                                                                                                       |
| Energy efficiency ratio (EER) 50/60<br>Hz L35 L35 | Refrigeration factor L35 L35 (EER) 50 Hz: 0.9                                                                                                                                |
| Thermal output                                    | 80 W                                                                                                                                                                         |
| Design                                            | wall-mounted                                                                                                                                                                 |

# Features

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| Dimensions                        | Width: 125 mm<br>Height: 400 mm<br>Depth: 155 mm                   |
| Protection category to IEC 60 529 | External circuit IP 34<br>Internal circuit IP 54                   |
| Type of electrical connection     | Plug-in spring connection terminal                                 |
| Temperature control               | PID control (factory setting: cooling +35 °C / heating +5 °C)      |
| Operating temperature range       | -30 °C...55 °C                                                     |
| Cooling setting range             | 5 °C...55 °C                                                       |
| Heating setting range             | -10 °C...20 °C                                                     |
| Pre-fuse                          | Miniature circuit-breaker/fuse: 10 A                               |
| Packs of                          | 1 pc(s).                                                           |
| Net weight                        | 3.249 kg                                                           |
| Gross weight                      | 3.449 kg                                                           |
| Customs tariff number             | 84186900                                                           |
| ETIM 9                            | EC000855                                                           |
| ETIM 8                            | EC000855                                                           |
| ECLASS 8.0                        | 27180704                                                           |
| Product description               | SK Thermoelectric cooler, 80 W, 24 V (DC), WHD: 125 x 400 x 155 mm |

# Approvals

|              |                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------|
| Explanations | Declaration of conformity<br>Declaration of conformity - F-gas regulation<br>Declaration of conformity UK |
|--------------|-----------------------------------------------------------------------------------------------------------|

# Tender text

SK 3201.300

Thermoelectric Cooler total cooling output/heating output 80/80 W

The powerful thermoelectric unit in a lightweight design is the ideal climate control solution for command panels and small enclosures.

Total cooling output L35 L35: 80 W

Total cooling output L35 L30: 100 W

Heating output: 80 W

Rated operating voltage: 24 V (DC)

Dimensions [WxHxD]: 125x400x155 mm, installation depth 100 mm

Material: Aluminium, anodised

Colour: Cover RAL 7015

Energy efficiency ratio EER: 0,9

Ambient temperature range: -30 °C bis 55 °C

Setting range, cooling: 5 °C bis 55 °C

Setting range, heating: -10 °C bis 20 °C

Protection category to IEC 60 529: Internal circuit IP 54, External circuit IP 34

Weight: 2,6 kg