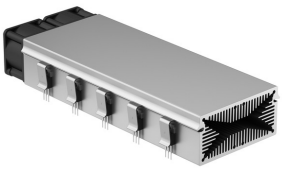
fischer elektronik
kühlen schützen verbinden

# Data sheet Product LAM 4 D K 50 12



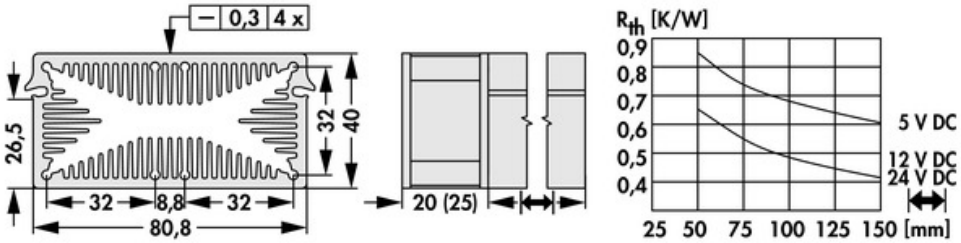
Cooling aggregates>Miniature cooling aggregates
40 x 80.8 mm, with axial fan, integrated clamp

- compact design
- homogeneous heat distribution
- mounting possible on any side
- powerful axial-fan motor
- other lengths, special designs and machinings according to customer's specifications
- other surfaces, fan types and fan voltages upon request

## Features

| | |
|---|---|
| width: | **80.8 mm** |
| height: | **40 mm** |
| length: | **50 mm** |
| thermal resistance: | **1.15 - 0.65 K/W** |
| operating voltage of the fan motor: | • **5 V DC**<br>• **12 V DC**<br>• **24 V DC** |
| surface: | **natural colour anodised** |

## Technical Drawing



**Fan**

### ebmpapst 405, 5 V DC

| | |
|---|---|
| type: | **ebmpapst 405** |
| dimensions: | **40x40x20 mm** |
| tension: | **5 V DC** |
| power inout: | **0.9 W** |
| max. air volume: | **10 $m^3$/h** |
| temperature range: | **-20°C... +70°C** |
| speed: | **6,000 $min^{-1}$** |
| noise level: | **18 dB(A)** |
| weight: | **27 g** |
| failure rate ($L_{10}$): | **$L_{10}$ < 50,000 h (40°C)**<br>**$L_{10}$ < 20,000 h (tmax)** |

### ebmpapst 412 JHH, 12 V DC

| | |
|---|---|
| type: | **ebmpapst 412 JHH** |
| dimensions: | **40x40x25 mm** |
| tension: | **12 V DC** |
| power inout: | **3.3 W** |
| max. air volume: | **24 $m^3$/h** |
| temperature range: | **-20°C... +60°C** |
| speed: | **13,000 $min^{-1}$** |
| noise level: | **46 dB(A)** |
| weight: | **50 g** |
| failure rate ($L_{10}$): | **$L_{10}$ < 57,500 h (40°C)**<br>**$L_{10}$ < 35,000 h (tmax)** |

### ebmpapst 414 JHH, 24 V DC

| | |
|---|---|
| type: | **ebmpapst 414 JHH** |
| dimensions: | **40x40x25 mm** |
| tension: | **24 V DC** |
| power inout: | **3.6 W** |

| | |
|---|---|
| max. air volume: | **24 $m^3/h$** |
| temperature range: | **-20°C... +60°C** |
| speed: | **13,000 $min^{-1}$** |
| noise level: | **46 dB(A)** |
| weight: | **50 g** |
| failure rate ($L_{10}$): | **$L_{10}$ < 57,500 h (40°C)**<br>**$L_{10}$ < 35,000 h (tmax)** |

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