



Figure similar

Article No. : 6SL3525-0PE17-5AA1

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :

Rated data

|                                                |                     |
|------------------------------------------------|---------------------|
| Input                                          |                     |
| Number of phases                               | 3 AC                |
| Line voltage                                   | 380 ... 500 V ±10 % |
| Line frequency                                 | 47 ... 63 Hz        |
| Rated current                                  | 2.10 A              |
| Output                                         |                     |
| Number of phases                               | 3 AC                |
| Rated voltage                                  | 400 V               |
| Rated power                                    | 0.75 kW             |
| Rated current (IN)                             | 2.20 A              |
| Max. output current                            | 4.40 A              |
| Pulse frequency                                | 4 kHz               |
| Output frequency for vector control            | 0 ... 200 Hz        |
| Output frequency for V/f control <sup>1)</sup> | 0 ... 650 Hz        |

|                                                                                                                                                                                                                                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Overload capability                                                                                                                                                                                                                    |  |
| High Overload (HO)                                                                                                                                                                                                                     |  |
| Average max. rated output current during a cycle time of 300 s; 1.5 × rated output current (i.e. 150% overload) for 60 s with a cycle time of 300 s; 2 × rated output current (i.e. 200 % overload) for 3 s with a cycle time of 300 s |  |

General tech. specifications

|                |         |
|----------------|---------|
| Power factor λ | 0.95    |
| Efficiency η   | 0.97    |
| Power loss     | 0.05 kW |

Ambient conditions

|                         |                          |
|-------------------------|--------------------------|
| Cooling                 | Convection               |
| Cooling air requirement | 0.004 m³/s (0.140 ft³/s) |
| Installation altitude   | 1,000 m (3,280.84 ft)    |

Ambient temperature

|           |                                |
|-----------|--------------------------------|
| Operation | -10 ... 55 °C (14 ... 131 °F)  |
| Transport | -40 ... 70 °C (-40 ... 158 °F) |
| Storage   | -40 ... 70 °C (-40 ... 158 °F) |

Relative humidity

|                |                                                        |
|----------------|--------------------------------------------------------|
| Max. operation | 95 % at 40 °C (104 °F); RH, condensation not permitted |
|----------------|--------------------------------------------------------|

Connections

|                         |                                          |
|-------------------------|------------------------------------------|
| Line side               |                                          |
| Version                 | HAN Q4/2 (connector)                     |
| Conductor cross-section | 1.50 ... 6.00 mm²<br>(AWG 16 ... AWG 10) |
| Motor end               |                                          |
| Version                 | HAN Q8 (socket)                          |
| Conductor cross-section | 1.00 ... 4.00 mm²<br>(AWG 18 ... AWG 12) |
| PE connection           | On housing with M5 screw                 |
| Conductor cross-section | 10.00 ... 16.00 mm²<br>(AWG 8 ... AWG 6) |

|                         |                 |
|-------------------------|-----------------|
| Max. motor cable length |                 |
| Shielded                | 15 m (49.21 ft) |
| Unshielded              | 30 m (98.43 ft) |

Mechanical data

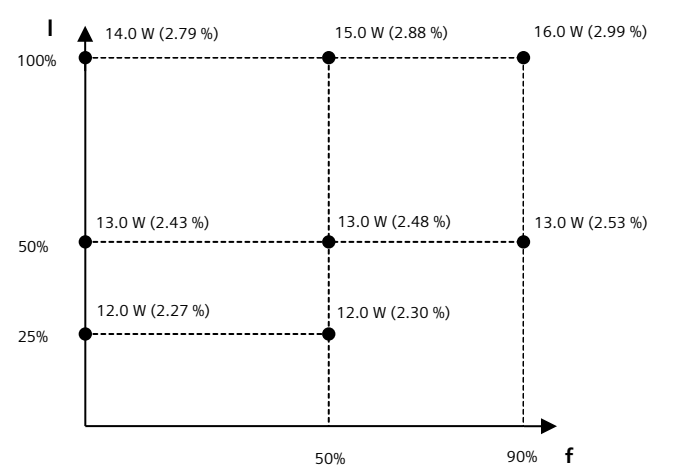
|                      |                     |
|----------------------|---------------------|
| Degree of protection | IP65 / UL type 3    |
| Frame size           | FSA                 |
| Net weight           | 5.70 kg (12.57 lb)  |
| Dimensions           |                     |
| Width                | 445.0 mm (17.52 in) |
| Height               | 210.0 mm (8.27 in)  |
| Depth                | 110.0 mm (4.33 in)  |

Standards

|                           |                                           |
|---------------------------|-------------------------------------------|
| Compliance with standards | UL 508C (UL list number E121068), CE, RCM |
| CE marking                | Low-voltage directive 2006/95/EC          |

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| Converter losses to IEC61800-9-2*                    |         |
|------------------------------------------------------|---------|
| Efficiency class                                     | IE2     |
| Comparison with the reference converter (90% / 100%) | 72.87 % |



The percentage values show the losses in relation to the rated apparent power of the converter.

The diagram shows the losses for the points (as per standard IEC61800-9-2) of the relative torque generating current (I) over the relative motor stator frequency (f). The values are valid for the basic version of the converter without options/components.

\*calculated values

<sup>1)</sup>In firmware V4.7 and higher, due to legal requirements, the maximum output frequency is restricted to 550 Hz.