

Article No. : 6SL3225-0BH31-1UA1



Figure similar

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

Item no. :  
Consignment no. :  
Project :

Rated data

|                    |                     |
|--------------------|---------------------|
| Input              |                     |
| Number of phases   | 3 AC                |
| Line voltage       | 500 ... 690 V ±10 % |
| Line frequency     | 47 ... 63 Hz        |
| Rated current (LO) | 18.00 A             |
| Rated current (HO) | 13.00 A             |

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Output                              |                                 |
| Number of phases                    | 3 AC                            |
| Rated voltage                       | 400V IEC 480V NEC <sup>1)</sup> |
| Rated power (LO)                    | 15.00 kW 20.00 hp               |
| Rated power (HO)                    | 11.00 kW 15.00 hp               |
| Rated current (LO)                  | 19.00 A                         |
| Rated current (HO)                  | 14.00 A                         |
| Max. output current                 | 28.00 A                         |
| Pulse frequency                     | 16 kHz                          |
| Output frequency for vector control | 0 ... 200 Hz                    |
| Output frequency for V/f control    | 0 ... 200 Hz                    |

|                                                                                                                                                                               |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Overload capability                                                                                                                                                           |  |
| Low Overload (LO)                                                                                                                                                             |  |
| 1.1 × rated output current (i.e. 110 % overload) for 57 s with a cycle time of 300 s<br>1.4 × rated output current (i.e. 140 % overload) for 3 s with a cycle time of 300 s   |  |
| High Overload (HO)                                                                                                                                                            |  |
| 1.5 × output current rating (i.e., 150 % overload) for 57 s with a cycle time of 300 s<br>2 × output current rating (i.e., 200 % overload) for 3 s with a cycle time of 300 s |  |

|                              |         |
|------------------------------|---------|
| General tech. specifications |         |
| Power factor λ               | 0.95    |
| Offset factor cos φ          | 0.95    |
| Efficiency η                 | 0.95    |
| Sound pressure level (1m)    | 64 dB   |
| Power loss                   | 0.72 kW |
| Filter class (integrated)    | -       |

Ambient conditions

|                         |                                |
|-------------------------|--------------------------------|
| Cooling                 | Internal air cooling           |
| Cooling air requirement | 0.044 m³/s (1.554 ft³/s)       |
| Installation altitude   | 1,000 m (3,280.84 ft)          |
| Ambient temperature     |                                |
| Operation LO            | 0 ... 40 °C (32 ... 104 °F)    |
| Operation HO            | 0 ... 50 °C (32 ... 122 °F)    |
| Transport               | -25 ... 55 °C (-13 ... 131 °F) |
| Storage                 | -25 ... 55 °C (-13 ... 131 °F) |

|                   |                                     |
|-------------------|-------------------------------------|
| Relative humidity |                                     |
| Max. operation    | 95 % RH, condensation not permitted |

Connections

|                         |                                       |
|-------------------------|---------------------------------------|
| Line side               |                                       |
| Version                 | terminal strip                        |
| Conductor cross-section | 2.50 ... 16.00 mm² (AWG 14 ... AWG 6) |
| Motor end               |                                       |
| Version                 | terminal strip                        |
| Conductor cross-section | 2.50 ... 16.00 mm² (AWG 14 ... AWG 6) |

|                         |                   |
|-------------------------|-------------------|
| Max. motor cable length |                   |
| Shielded                | 200 m (656.17 ft) |
| Unshielded              | 300 m (984.25 ft) |

Mechanical data

|                      |                     |
|----------------------|---------------------|
| Degree of protection | IP20 / UL open type |
| Frame size           | FSD                 |
| Net weight           | 22.00 kg (48.50 lb) |
| Dimensions           |                     |
| Width                | 275 mm (10.83 in)   |
| Height               | 512 mm (20.16 in)   |
| Depth                | 204 mm (8.03 in)    |

Standards

|                           |                                  |
|---------------------------|----------------------------------|
| Compliance with standards | CE                               |
| CE marking                | Low-voltage directive 2006/95/EC |

<sup>1)</sup>The output current and HP ratings are valid for the voltage range 440V-480V