

**SIMOTICS GP - 80 M - IM B3 - 6p**

|                  |                 |           |
|------------------|-----------------|-----------|
| Client order no. | Item-No.        | Offer no. |
| Order no.        | Consignment no. | Project   |

Remarks

## Safe Area

[illegible]

|                                                                                        |                                 |                                 |                            |                                         |
|----------------------------------------------------------------------------------------|---------------------------------|---------------------------------|----------------------------|-----------------------------------------|
| Sound level (SPL / SWL) at 50Hz 60Hz                                                   | 54.0 / 65.0 dB(A) <sup>2)</sup> | 55.0 / 66.0 dB(A) <sup>2)</sup> | External earthing terminal | No                                      |
| Moment of inertia                                                                      | 0.0024 kg m <sup>2</sup>        |                                 | Vibration severity grade   | A                                       |
| Bearing DE   NDE                                                                       | 6004 2Z C3                      | 6004 2Z C3                      | Insulation                 | 155(F) to 130(B)                        |
| bearing lifetime                                                                       |                                 |                                 | Duty type                  | S1                                      |
| L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation<br>50 60Hz <sup>1)</sup> | 40000 h                         | 32000 h                         | Direction of rotation      | bidirectional                           |
| Lubricants                                                                             | Unirex N3                       |                                 | Frame material             | aluminum                                |
| Regreasing device                                                                      | No                              |                                 | Coating (paint finish)     | Standard paint finish C2                |
| Grease nipple                                                                          | -/-                             |                                 | Color, paint shade         | RAL7030                                 |
| Type of bearing                                                                        | Preloaded bearing DE            |                                 | Motor protection           | (A) without (Standard)                  |
| Condensate drainage holes                                                              | Yes (standard)                  |                                 | Method of cooling          | IC411 - self ventilated, surface cooled |

|                          |           |                                |                  |
|--------------------------|-----------|--------------------------------|------------------|
| Terminal box position    | top       | Max. cross-sectional area      | 1.5 mm²          |
| Material of terminal box | Aluminium | Cable diameter from ... to ... | 9.0 mm - 17.0 mm |
| Type of terminal box     | TB1 E00   | Cable entry                    | 1xM25x1,5        |
| Contact screw thread     | M4        | Cable gland                    | 1 plug           |

**Notes:**

|                                                    |                                           |                                                                  |
|----------------------------------------------------|-------------------------------------------|------------------------------------------------------------------|
| $I_R/I_N$ = locked rotor current / current nominal | 1) L10mh according to DIN ISO 281 10/2010 | 3) Value is valid only for DOL operation with motor design IC411 |
| $M_R/M_N$ = locked rotor torque / torque nominal   | 2) at rated power / at full load          |                                                                  |
| $M_B/M_N$ = break down torque / nominal torque     |                                           |                                                                  |

|                                                                                    |                               |                               |             |  |                                                                                                              |                                   |                |             |
|------------------------------------------------------------------------------------|-------------------------------|-------------------------------|-------------|--|--------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------|-------------|
| responsible dep.<br>DI MC LVM                                                      | technical reference           | created by<br>DT Configurator | approved by |  | Technical data are subject to change! There may be discrepancies between calculated and rating plate values. |                                   |                |             |
|  | document type<br>datasheet    |                               |             |  | document status<br>released                                                                                  |                                   | customer       |             |
|                                                                                    | title<br>1LE1002-0DC32-2AA4-Z |                               |             |  | document number                                                                                              |                                   |                |             |
| © Siemens AG 2021                                                                  | B02+N30                       |                               |             |  | rev.<br>01                                                                                                   | creation date<br>2021-04-23 14:13 | language<br>en | Page<br>1/2 |

## Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV1083C

SIMOTICS GP - 80 M - IM B3 - 6p

### Special design

B02 Acceptance test certificate 3.1 acc. to EN 10204 N30 Increased air humidity/temperature with 30 to 60 g water per m3 air

### Notes:

|                                                                                    |                                          |                               |             |  |                                                                                                              |                                   |                |             |
|------------------------------------------------------------------------------------|------------------------------------------|-------------------------------|-------------|--|--------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------|-------------|
| responsible dep.<br>DI MC LVM                                                      | technical reference                      | created by<br>DT Configurator | approved by |  | Technical data are subject to change! There may be discrepancies between calculated and rating plate values. |                                   |                |             |
|  | document type<br>datasheet               |                               |             |  | document status<br>released                                                                                  |                                   | customer       |             |
|                                                                                    | title<br>1LE1002-0DC32-2AA4-Z<br>B02+N30 |                               |             |  | document number                                                                                              |                                   |                |             |
| © Siemens AG 2021                                                                  |                                          |                               |             |  | rev.<br>01                                                                                                   | creation date<br>2021-04-23 14:13 | language<br>en | Page<br>2/2 |