

Absolute-Encoder CMV36 - DQ

Ref.: K-CMV36-DQ-1

18.11.2013

010102003601010201

Advantages

- _ Customer-specific solutions
- _ Further interfaces available
- _ Very small construction



General Data

| | |
|--------------------------------|--------------------------|
| Supply | |
| - Supply voltage | 11...27 VDC |
| Current consumption no load | <= 100 mA |
| Device design | |
| - Type | Single-/Multi-Turn |
| Total resolution | <= 24 Bit |
| Number of steps per revolution | <= 4096 |
| Number of revolutions | <= 4096 |
| Accuracy | $\pm 1,4^\circ$ |
| DRIVE-CLiQ - Interface | |
| - DRIVE-CLiQ | SIEMENS system interface |
| - Physical Layer | Ethernet |
| - Connection | Drive system SINAMICS |
| Transmission rate | |
| - Specific value | 100 MBit/s |
| Maximum Speed, mechanically | <= 6000 1/min |
| Shaft load, axial/radial | <= 5 N, <= 10 N |
| Bearing life time | >= 3.9E+10 revolutions |
| Bearing life time - Parameter | |
| - Speed | 3000 1/min |
| - Operating temperature | 60 °C |
| - Shaft load, axial/radial | <= 5 N, <= 10 N |

Subject to change.

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General Data continuation

| | |
|------------------------------|------------------------------|
| Point of origin, shaft load | at the shaft end |
| Angular acceleration | $\leq 10E+4 \text{ rad/s}^2$ |
| Moment of inertia, typically | $2.5E-6 \text{ kg m}^2$ |
| Start-up torque, 20 °C | 2 Ncm |
| Mass, typically | 0.15 kg |

Environmental conditions

| | |
|--------------------------|---------------------------|
| Vibration | |
| - Specific value | $\leq 100 \text{ m/s}^2$ |
| - Sine | 50...2000 Hz |
| Shock | |
| - Specific value | $\leq 1000 \text{ m/s}^2$ |
| - Half sine | 11 ms |
| Immunity to disturbance | DIN EN 61000-6-2 |
| Transient emissions | DIN EN 61000-6-3 |
| Working temperature | |
| - Standard | -25...+70 °C |
| Storage temperature, dry | -20...+85 °C |
| Relative humidity | 98 % |
| Protection class | |
| - Standard | IP54 |

Subject to change.

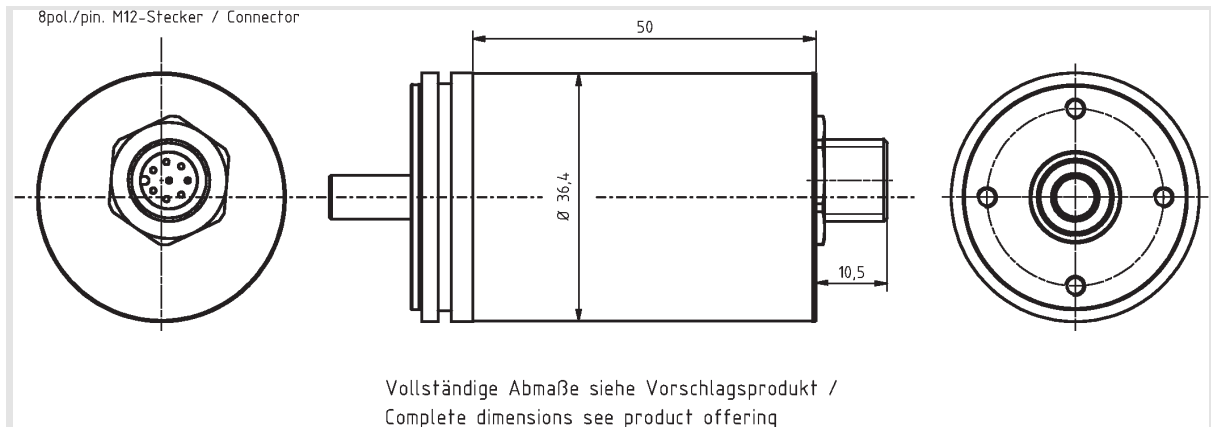
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Dimensional drawing



Suggested products

CMV36M*4096/4096 DriveCliqu 6GL/10,8
Vollwelle, Kabelabgang

CMV36M-00010

Subject to change.