| **Electrical data Multi-turn actuators for open-close duty with 3-phase AC motors Short-time duty S4 - 25 %, 380 V/50 Hz** | | | | | | | | | | | | **KZCR10-KZCR35** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multi-turn actuator | | | Motor | | | | | | | | | |
| Type | Speed rpm | Torque max.Nm | Type | Power[1] Pn(KW) | Speed rpm | Nominal current[2] IN (A) | Current[3] approx. Imax. (A) | Starting current IA (A) | cos ϕ | SCHWARZ Power class Contactor[4] | Thyristor[4] | Approx. Weight (kg) |
| KZCR10 | 18 | 34 | MBR10-0.08 | 0.08 | 1400 | 0.55 | 0.65 | 2.51 | 0.85 | C1 | T1 | 30 |
| | 24 | 34 | MBR10-0.08 | 0.08 | 1400 | 0.55 | 0.85 | 2.51 | 0.86 | C1 | T1 | |
| | 36 | 34 | MBR10-0.08 | 0.08 | 1400 | 0.55 | 0.95 | 2.51 | 0.86 | C1 | T1 | |
| | 48 | 34 | MBR10-0.12 | 0.12 | 1400 | 1.00 | 1.40 | 4.20 | 0.86 | C1 | T1 | |
| KZCR12 | 18 | 81 | MBR12-0.13 | 0.13 | 1400 | 1.20 | 1.37 | 4.02 | 0.82 | C1 | T1 | |
| | 24 | 81 | MBR12-0.16 | 0.16 | 1400 | 1.30 | 1.76 | 4.36 | 0.82 | C1 | T1 | |
| | 36 | 81 | MBR12-0.22 | 0.22 | 1400 | 1.80 | 1.87 | 6.16 | 0.82 | C1 | T1 | |
| | 48 | 68 | MBR12-0.22 | 0.22 | 1400 | 1.80 | 2.21 | 6.16 | 0.82 | C1 | T1 | |
| KZCR20 | 18 | 203 | MBR20-0.33 | 0.33 | 1400 | 2.71 | 5.42 | 16.10 | 0.85 | C1 | T1 | 55 |
| | 24 | 203 | MBR20-0.42 | 0.42 | 1400 | 2.75 | 6.36 | 16.32 | 0.80 | C1 | T1 | |
| | 36 | 203 | MBR20-0.52 | 0.52 | 1400 | 3.50 | 5.65 | 22.88 | 0.79 | C1 | T1 | |
| | 48 | 203 | MBR20-0.63 | 0.63 | 1400 | 3.80 | 7.75 | 24.85 | 0.80 | C1 | T1 | |
| | 72 | 176 | MBR20-0.74 | 0.74 | 1400 | 5.95 | 8.99 | 48.57 | 0.79 | C1 | T1 | |
| KZCR25 | 18 | 400 | MBR25-0.64 | 0.64 | 1400 | 5.35 | 7.46 | 26.75 | 0.80 | C1 | T1 | |
| | 24 | 400 | MBR25-0.74 | 0.74 | 1400 | 5.95 | 9.08 | 29.75 | 0.80 | C1 | T1 | |
| | 36 | 298 | MBR25-0.76 | 0.76 | 1400 | 6.10 | 9.61 | 43.57 | 0.80 | C1 | T1 | |
| | 48 | 244 | MBR25-0.72 | 0.72 | 1400 | 5.94 | 10.08 | 42.43 | 0.80 | C1 | T1 | |
| | 72 | 244 | MBR25-1.03 | 1.03 | 1400 | 5.75 | 8.47 | 36.92 | 0.80 | C1 | T1 | |
| KZCR35 | 18 | 610 | MBR35-0.93 | 0.93 | 1400 | 5.10 | 7.11 | 25.50 | 0.86 | C1 | T1 | 58 |
| | 24 | 610 | MBR35-1.14 | 1.14 | 1400 | 5.80 | 8.85 | 29.00 | 0.86 | C1 | T1 | |
| | 36 | 542 | MBR35-1.14 | 1.14 | 1400 | 9.40 | 14.81 | 67.14 | 0.86 | C1 | T1 | |
| | 48 | 474 | MBR35-1.55 | 1.55 | 1400 | 9.50 | 16.12 | 67.86 | 0.86 | C1 | T2 | |
| | 72 | 474 | MBR35-2.05 | 2.05 | 1400 | 12.40 | 18.27 | 79.61 | 0.87 | C1 | T2 | |

1) The nominal electrical power can be calculated using the following formula: P = U x I x cos φ x$\sqrt{3}$
2) Current at operating torque
3) Current at max. torque. We recommend to select switchgears according to these values.
4) Assignment of switchgears when using SCHWARZ controls of types SC01. C1≤3KW; 3KW<C2≤6KW; C3>6KW; T1≤1.5KW; 1.5KW<T2≤3KW

We reserve the right to alter data according to improvements made. Previous documents become invalid with the issue of this document.

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