## Technical specifications

All technical specifications not mentioned in the table below are identical to those of the 3RT10 17 contactors for size S00, to those of the 3RT10 26 contactors for size S0 and to those of the 3RT10 45 contactors for size S3.

| Contactor | Type |  | $\begin{aligned} & \text { 3RT16 17-.A.. } 3 \\ & \text { S00 } \end{aligned}$ | $\begin{aligned} & \text { 3RT16 27-. A. . } 1 \\ & \text { S0 } \end{aligned}$ | $\begin{aligned} & \text { 3RT16 47-.A. } 1 \\ & \text { S3 } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Capacitor rating at rated power (utilization category AC-6b) |  | 230 V, 50/60 Hz kvar 400 V, 50/60 Hz kvar 525 V, 50/60 Hz kvar 690 V, 50/60 Hz kvar | $3 \ldots 7.5$ $5 \ldots 12.5$ $7.5 \ldots 15$ $10 \ldots 21$ | $\begin{aligned} & 3.5 \ldots 15 \\ & \mathbf{6} \ldots \mathbf{2 5} \\ & 7.8 \ldots 30 \\ & 10 \ldots 42 \end{aligned}$ | $\begin{aligned} & 3.5 \ldots 30 \\ & \mathbf{5} \ldots \mathbf{5 0} \\ & 7.5 \ldots 60 \\ & 10 \ldots 84 \end{aligned}$ |
| Auxiliary contacts mounted (unassigned) |  |  | $1 \mathrm{NO}+1 \mathrm{NC}$ | 1 NO |  |
| Auxiliary contacts mountable (lateral), not for sizes SOO and S0 |  |  | -- |  | $\begin{aligned} & 2 \mathrm{NC}+2 \mathrm{NO} \text { or } \\ & 1 \mathrm{NO}+1 \mathrm{NC} \end{aligned}$ |
| Operating range of the magnetic coils |  |  | $0.8 \ldots 1.1 \times U_{\text {S }}$ |  |  |
| Max. switching frequency |  | $\mathrm{h}^{-1}$ | 180 | 100 |  |
| Electrical endurance |  | Operating cycles | > 250000 | > 150000 | > 100000 |
| Ambient temperature |  | ${ }^{\circ} \mathrm{C}$ | 60 |  |  |
| Regulations |  |  | IEC 60947/EN 6094 | DE 0660) |  |
| Short-circuit protection |  |  | $1.6 \ldots 2.2 \times I_{\text {e }}$ |  |  |
| Conductor cross-sectio |  |  |  |  |  |
| Screw terminals <br> (1 or 2 conductors can be connected) | Main conductors <br> - Solid | $\mathrm{mm}^{2}$ | $\begin{aligned} & 2 \times(0.5 \ldots 1.5) ; \\ & 2 \times(0.75 \ldots 2.5) \end{aligned}$ <br> Acc. to IEC 60947; <br> Max. $2 \times(1 \ldots 4)$ | $\begin{aligned} & 2 \times(1 \ldots 2.5) ; \\ & 2 \times(2.5 \ldots 6) \\ & \text { Acc. to IEC } 60947 \text {; } \\ & \text { Max. } 1 \times 10^{1)} \end{aligned}$ |  |
|  | - Finely stranded with end sleeve | $\mathrm{mm}^{2}$ | $\begin{aligned} & 2 \times(0.5 \ldots 1.5) ; \\ & 2 \times(0.75 \ldots 2.5) \end{aligned}$ | $\begin{aligned} & 2 \times(1 \ldots 2.5) ; \\ & 2 \times(2.5 \ldots 6)^{11} \end{aligned}$ |  |
|  | - AWG conductors <br> - Solid <br> - Solid or stranded <br> - Stranded | AWG <br> AWG <br> AWG | $\begin{aligned} & 2 \times(20 \ldots 16) \\ & 2 \times(18 \ldots \ldots 14) \\ & 1 \times 12 \end{aligned}$ | $\begin{aligned} & 2 \times(16 \ldots 12) \\ & 2 \times(14 \ldots 10) \\ & 1 \times 8 \end{aligned}$ |  |
|  | - Terminal screws <br> - Tightening torque | Nm lb.in | $\begin{aligned} & \text { M3 } \\ & 0.8 \ldots 1.2 \\ & 7 \ldots 10.3 \end{aligned}$ | $\begin{aligned} & \text { M4 (Pozidriv size 2) } \\ & 2 \ldots 2.5 \\ & 18 \ldots 22 \end{aligned}$ |  |

1) $3 R \mathrm{RV} 1925-5 \mathrm{AB}$ infeed terminal for $16 \mathrm{~mm}^{2}$.

2) If bars larger than $12 \times 10 \mathrm{~mm}$ are connected, a 3RT19 46-4EA1 terminal cover is needed to comply with the phase clearance.
3) When connecting conductors which are larger than $25 \mathrm{~mm}^{2}$, the 3RT19 46-4EA1 cover must be used to keep the phase clearance.
4) Only with crimped cable lugs according to DIN 46234. Cable lug max. 20 mm wide.
5) If two different conductor cross-sections are connected at one clamping point, then the two cross-sections must lie within the range quoted. If identical cross-sections are used, this restriction does not apply.
