

# Soft starters for asynchronous motors

Altistart 01

400 V power supply, type 1 coordination

## Components to be combined in accordance with standards IEC 60947-1 and IEC 60947-4-2

Combine either circuit-breaker (light blue columns), contactor, starter, or switches/fuses (dark blue columns), contactor, starter

| Motor |      | Starter<br>Class 10 | Type of circuit-breaker<br>Telemecanique | Rating | Type of<br>contactor  | Type of switch<br>or switch<br>disconnecter<br>(base unit) | Am fuses<br>Reference | Rating | I <sup>2</sup> t | Thermal<br>overload relay |
|-------|------|---------------------|------------------------------------------|--------|-----------------------|------------------------------------------------------------|-----------------------|--------|------------------|---------------------------|
| kW    | A    |                     |                                          | A      |                       |                                                            |                       | A      | A <sup>2</sup> s |                           |
| M1    |      | A1                  | Q1                                       |        | KM1, KM2, KM3         | Q2                                                         |                       |        |                  | F4                        |
| 0.37  | 0.98 | ATS 01N103FT        | GV2 ME05                                 | 1      | LC1 K06 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA02              | 2      | 265              | LR2 K0306<br>LRD 05       |
| 0.55  | 1.5  | ATS 01N103FT        | GV2 ME06                                 | 1.6    | LC1 K06 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA02              | 2      | 265              | LR2 K0307<br>LRD 06       |
| 0.75  | 2    | ATS 01N103FT        | GV2 ME07                                 | 2.5    | LC1 K06 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA02              | 2      | 265              | LR2 K0308<br>LRD 07       |
| 1.1   | 2.5  | ATS 01N103FT        | GV2 ME08                                 | 4      | LC1 K06 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA04              | 4      | 265              | LR2 K0308<br>LRD 08       |
|       |      | ATS 01N206QN        | GV2 ME08                                 | 4      | LC1 K06 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA04              | 4      | 265              | LR2 K0308<br>LRD 08       |
| 1.5   | 3.5  | ATS 01N106FT        | GV2 ME08                                 | 4      | LC1 K06 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA06              | 6      | 265              | LR2 K0310<br>LRD 08       |
|       |      | ATS 01N206QN        | GV2 ME08                                 | 4      | LC1 K06 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA06              | 6      | 265              | LR2 K0310<br>LRD 08       |
| 2.2   | 5    | ATS 01N106FT        | GV2 ME10                                 | 6.3    | LC1 K06 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA08              | 8      | 265              | LR2 K0312<br>LRD 10       |
|       |      | ATS 01N206QN        | GV2 ME10                                 | 6.3    | LC1 K09 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA08              | 8      | 265              | LR2 K0312<br>LRD 10       |
| 3     | 6.5  | ATS 01N106FT        | GV2 ME14                                 | 9      | LC1 K09 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA12              | 12     | 265              | LR2 K0314<br>LRD 12       |
|       |      | ATS 01N206QN        | GV2 ME14                                 | 9      | LC1 K09 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA12              | 12     | 265              | LR2 K0314<br>LRD 12       |
| 4     | 8.4  | ATS 01N109FT        | GV2 ME14                                 | 9      | LC1 K09 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA12              | 12     | 610              | LR2 K0316<br>LRD 14       |
|       |      | ATS 01N209QN        | GV2 ME14                                 | 9      | LC1 K09 or<br>LC1 D09 | LS1 D2531                                                  | DF2 CA12              | 12     | 610              | LR2 K0316<br>LRD 14       |
| 5.5   | 11   | ATS 01N112FT        | GV2 ME16                                 | 13     | LC1 K12 or<br>LC1 D12 | LS1 D2531                                                  | DF2 CA16              | 16     | 610              | LR2 K0321<br>LRD 16       |
|       |      | ATS 01N212QN        | GV2 ME16                                 | 13     | LC1 K12 or<br>LC1 D12 | LS1 D2531                                                  | DF2 CA16              | 16     | 610              | LR2 K0321<br>LRD 16       |
| 7.5   | 14.8 | ATS 01N222QN        | GV2 ME20                                 | 17     | LC1 D18               | LS1 D2531                                                  | DF2 CA20              | 20     | 6050             | LRD 21                    |
| 9     | 18.1 | ATS 01N222QN        | GV2 ME21                                 | 21     | LC1 D25               | LS1 D2531                                                  | DF2 CA25              | 25     | 6050             | LRD 21                    |
| 11    | 21   | ATS 01N222QN        | GV2 ME22                                 | 23     | LC1 D25               | LS1 D2531                                                  | DF2 CA25              | 25     | 6050             | LRD 22                    |
| 15    | 28.5 | ATS 01N232QN        | GV2 ME32                                 | 32     | LC1 D32               | GK1 EM                                                     | DF2 EA40              | 40     | 7200             | LR2 D3353                 |
| 18.5  | 35   | ATS 01N244Q         | GV3 ME40                                 | 40     | LC1 D38               | GK1 EM                                                     | DF2 EA40              | 40     | 8000             | LR2 D3355                 |
| 22    | 42   | ATS 01N244Q         | GV3 ME63                                 | 63     | LC1 D50               | GK1 FM                                                     | DF2 FA63              | 63     | 8000             | LR2 D3357                 |
| 30    | 57   | ATS 01N272Q         | GV3 ME63                                 | 63     | LC1 D65               | GK1 FM                                                     | DF2 FA63              | 63     | 9000             | LR2 D3359                 |
| 37    | 69   | ATS 01N272Q         | GV3 ME80                                 | 80     | LC1 D80               | GK1 FM                                                     | DF2 FA80              | 80     | 9000             | LR2 D3363                 |
| 45    | 81   | ATS 01N285Q         | GV7 RE100                                | 100    | LC1 D95               | GK1 FM                                                     | DF2 FA100             | 100    | 9000             | LR2 D3365                 |