



Technical specifications

Compliance with IEC 60947-4-1 standard

| Type of starter | Rated voltage of power contacts U_n , V | Insulation voltage U_i , V | Conditional thermal current (AC-1) I_{th} , A | Rated current (AC-3) I_n , A | Rated power of main contacts according to AC-3 P, kW | | | Rated voltage of the control coil U_c , V | Operating voltage range of the control coil | Coil actuation power at U_n , P, W | | Number and type of additional contacts | Allowable frequency of operations, cycles per hour | AC-3 electrical wear resistance, million on/off cycles | Mechanical wear resistance of AC-3, million on/off cycles | Weight, kg |
|-----------------|---|------------------------------|---|--------------------------------|--|------|------|---|---|--------------------------------------|---------|--|--|--|---|------------|
| | | | | | 230V | 400V | 690V | | | Triggering | Keeping | | | | | |
| | | | | | | | | | | | | | | | | |
| FC 1/6 | ~230/400/690 | 690 | 20 | 6 | 1.5 | 3 | 4 | ~24, 36, 42, 110, 230, 400 | 85-110% U_n | 40 | 7 | 1NO/1NC | 1200 | 1 | 10 | 0.31 |
| FC 1/9 | | | 22 | 9 | 2.2 | 4 | 5.5 | | | 60 | 9 | 1NO/1NC | 1200 | 1 | 10 | 0.31 |
| FC 1/10 | | | 23 | 10 | 2.5 | 4.5 | 6 | | | 60 | 9 | 1NO/1NC | 1200 | 1 | 10 | 0.31 |
| FC 1/12 | | | 24 | 12 | 3 | 5.5 | 7.5 | | | 60 | 9 | 1NO/1NC | 1200 | 1 | 10 | 0.31 |
| FC 1/16 | | | 28 | 16 | 4 | 7.5 | 11 | | | 60 | 9 | 1NO/1NC | 1200 | 1 | 10 | 0.31 |
| FC 1/18 | | | 30 | 18 | 5 | 8.5 | 13 | | | 60 | 9 | 1NO/1NC | 1200 | 1 | 10 | 0.31 |
| FC 2/25 | | | 45 | 25 | 6 | 11 | 15 | | | 122 | 12 | 1NO/1NC | 1200 | 1 | 10 | 0.54 |
| FC 3/32 | | | 55 | 32 | 8 | 15 | 18.5 | | | 122 | 12 | 1NO/1NC | 1200 | 0.8 | 8 | 0.65 |
| FC 3/40 | | | 70 | 40 | 11 | 18.6 | 22 | | | 175 | 20 | 1NO+1NC | 1200 | 0.6 | 8 | 1.1 |
| FC 4/40 | | | 70 | 40 | 11 | 18.6 | 22 | | | 175 | 20 | 1NO+1NC | 1200 | 0.6 | 8 | 1.1 |
| FC 4/50 | | | 100 | 50 | 15 | 22 | 30 | | | 175 | 20 | 1NO+1NC | 1200 | 0.6 | 8 | 1.1 |
| FC 4/63 | | | 115 | 63 | 18.5 | 30 | 37 | | | 175 | 20 | 1NO+1NC | 1200 | 0.6 | 8 | 1.1 |
| FC 4/65 | | | 115 | 65 | 18.5 | 30 | 37 | | | 175 | 20 | 1NO+1NC | 1200 | 0.6 | 8 | 1.1 |
| FC 4/75 | | | 125 | 75 | 22 | 37 | 45 | | | 175 | 20 | 1NO+1NC | 1200 | 0.6 | 8 | 1.1 |
| FC 4/80 | | | 80 | 80 | 22 | 37 | 55 | | | 175 | 20 | 1NO+1NC | 1200 | 0.6 | 8 | 1.1 |
| FC 5/63 | | | 80 | 63 | 18.5 | 30 | 55 | | | 450 | 55 | 4NO+2NC | 1200 | 1.2 | 10 | 2.65 |
| FC 5/80 | | | 80 | 80 | 22 | 37 | 55 | | | 450 | 55 | 4NO+2NC | 1200 | 1.2 | 10 | 2.65 |
| FC 5/100 | | | 125 | 100 | 30 | 45 | 75 | | | 450 | 55 | 4NO+2NC | 1200 | 1.2 | 10 | 2.65 |
| FC 5/125 | | | 125 | 125 | 37 | 55 | 75 | | | 450 | 55 | 4NO+2NC | 1200 | 1.2 | 10 | 2.65 |
| FC 6/160 | | | 265 | 160 | 45 | 75 | 110 | | | 880 | 88 | 4NO+2NC | 1200 | 1.2 | 10 | 5.2 |
| FC 6/200 | | | 265 | 200 | 55 | 90 | 110 | | | 880 | 88 | 4NO+2NC | 1200 | 1.2 | 10 | 5.2 |
| FC 6/250 | | | 265 | 250 | 75 | 132 | 110 | | | 880 | 88 | 4NO+2NC | 1200 | 1.2 | 10 | 5.2 |
| FC 6/265 | | | 265 | 265 | 85 | 147 | 110 | | | 880 | 88 | 4NO+2NC | 600 | 0.6 | 6 | 10.05 |
| FC 7/315 | | | 500 | 315 | 90 | 160 | 300 | | | 1170 | 152 | 4NO+2NC | 600 | 0.6 | 6 | 10.05 |
| FC 7/400 | | | 500 | 400 | 110 | 220 | 300 | | | 1170 | 152 | 4NO+2NC | 600 | 0.6 | 6 | 10.05 |
| FC 7/500 | | | 500 | 500 | 150 | 280 | 300 | | | 1170 | 170 | 4NO+2NC | 600 | 0.3 | 3 | 10.05 |

| Cross-section of the connected conductors, mm | FC1 | FC2 | FC3 | FC4 | FC5 | FC6 | FC7 |
|---|-----|-----|--------|--------|-------|-------|-------|
| Main contacts | 1-4 | 1-4 | 2.5-16 | 2.5-16 | - | - | - |
| Auxiliary contacts | 1-4 | 1-4 | 1-2.5 | 1-2.5 | 1-2.5 | 1-2.5 | 1-2.5 |

FC1 1NC



| Order code | Full name of | Packaging, pcs | | | Gross weight, kg | |
|------------|-------------------------------------|----------------|-----|-------|------------------|-----|
| | | Packaging | Box | Unit | Packaging | Box |
| FC11012110 | Contactora FC-1/12A coil AC110V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11012230 | Contactora FC-1/12A coil AC230V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11012024 | Contactora FC-1/12A coil AC24V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11012036 | Contactora FC-1/12A coil AC36V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11012400 | Contactora FC-1/12A coil AC400V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11012042 | Contactora FC-1/12A coil AC42V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11016110 | Contactora FC-1/16A coil AC110V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11016230 | Contactora FC-1/16A coil AC230V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11016024 | Contactora FC-1/16A coil AC24V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11016036 | Contactora FC-1/16A coil AC36V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11016400 | Contactora FC-1/16A coil AC400V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11016042 | Contactora FC-1/16A coil AC42V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11018110 | Contactora FC-1/18A coil AC110V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11018230 | Contactora FC-1/18A coil AC230V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11018024 | Contactora FC-1/18A coil AC24V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11018036 | Contactora FC-1/18A coil AC36V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11018400 | Contactora FC-1/18A coil AC400V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11018042 | Contactora FC-1/18A coil AC42V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11006110 | Contactora FC-1/6A coil AC110V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11006230 | Contactora FC-1/6A coil AC230V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11006024 | Contactora FC-1/6A coil AC24V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11006036 | Contactora FC-1/6A coil AC36V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11006400 | Contactora FC-1/6A coil AC400V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11006042 | Contactora FC-1/6A coil AC42V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11009110 | Contactora FC-1/9A coil AC110V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11009230 | Contactora FC-1/9A coil AC230V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11009024 | Contactora FC-1/9A coil AC24V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11009036 | Contactora FC-1/9A coil AC36V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11009400 | Contactora FC-1/9A coil AC400V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |
| FC11009042 | Contactora FC-1/9A coil AC42V 1NC | 1 | 50 | 0,340 | 0,340 | 17 |

FC1 1NO



| | | | | | | |
|------------|-------------------------------------|---|----|-------|-------|----|
| FC10012110 | Contactora FC-1/12A coil AC110V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10012230 | Contactora FC-1/12A coil AC230V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10012024 | Contactora FC-1/12A coil AC24V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10012036 | Contactora FC-1/12A coil AC36V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10012400 | Contactora FC-1/12A coil AC400V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10012042 | Contactora FC-1/12A coil AC42V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10016110 | Contactora FC-1/16A coil AC110V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10016230 | Contactora FC-1/16A coil AC230V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10016024 | Contactora FC-1/16A coil AC24V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10016036 | Contactora FC-1/16A coil AC36V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10016400 | Contactora FC-1/16A coil AC400V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10016042 | Contactora FC-1/16A coil AC42V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10018110 | Contactora FC-1/18A coil AC110V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10018230 | Contactora FC-1/18A coil AC230V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10018024 | Contactora FC-1/18A coil AC24V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10018036 | Contactora FC-1/18A coil AC36V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10018400 | Contactora FC-1/18A coil AC400V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10018042 | Contactora FC-1/18A coil AC42V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10006110 | Contactora FC-1/6A coil AC110V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10006230 | Contactora FC-1/6A coil AC230V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10006024 | Contactora FC-1/6A coil AC24V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10006036 | Contactora FC-1/6A coil AC36V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10006400 | Contactora FC-1/6A coil AC400V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10006042 | Contactora FC-1/6A coil AC42V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10009110 | Contactora FC-1/9A coil AC110V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10009230 | Contactora FC-1/9A coil AC230V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10009024 | Contactora FC-1/9A coil AC24V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10009036 | Contactora FC-1/9A coil AC36V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10009400 | Contactora FC-1/9A coil AC400V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |
| FC10009042 | Contactora FC-1/9A coil AC42V 1NO | 1 | 50 | 0,340 | 0,340 | 17 |

Contactors FC

FC2 1NC



| Order code | Full name of | Packaging, pcs | | | Gross weight, kg | |
|------------|-------------------------------------|----------------|-----|-------|------------------|--------|
| | | Packaging | Box | Unit | Packaging | Box |
| FC21025110 | Contactora FC-2/25A coil AC110V 1NC | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC21025230 | Contactora FC-2/25A coil AC230V 1NC | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC21025024 | Contactora FC-2/25A coil AC24V 1NC | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC21025036 | Contactora FC-2/25A coil AC36V 1NC | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC21025400 | Contactora FC-2/25A coil AC400V 1NC | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC21025042 | Contactora FC-2/25A coil AC42V 1NC | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC21025048 | Contactora FC-2/25A coil AC48V 1NC | 1 | 40 | 0,560 | 0,560 | 22,400 |

FC2 1NO



| | | | | | | |
|------------|-------------------------------------|---|----|-------|-------|--------|
| FC20025110 | Contactora FC-2/25A coil AC110V 1NO | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC20025230 | Contactora FC-2/25A coil AC230V 1NO | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC20025024 | Contactora FC-2/25A coil AC24V 1NO | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC20025036 | Contactora FC-2/25A coil AC36V 1NO | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC20025400 | Contactora FC-2/25A coil AC400V 1NO | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC20025042 | Contactora FC-2/25A coil AC42V 1NO | 1 | 40 | 0,560 | 0,560 | 22,400 |
| FC20025048 | Contactora FC-2/25A coil AC48V 1NO | 1 | 40 | 0,560 | 0,560 | 22,400 |

FC3 1NC



| | | | | | | |
|------------|-------------------------------------|---|----|-------|-------|--------|
| FC31032110 | Contactora FC-3/32A coil AC110V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31032230 | Contactora FC-3/32A coil AC230V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31032024 | Contactora FC-3/32A coil AC24V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31032036 | Contactora FC-3/32A coil AC36V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31032400 | Contactora FC-3/32A coil AC400V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31032042 | Contactora FC-3/32A coil AC42V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31040110 | Contactora FC-3/40A coil AC110V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31040230 | Contactora FC-3/40A coil AC230V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31040024 | Contactora FC-3/40A coil AC24V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31040036 | Contactora FC-3/40A coil AC36V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31040400 | Contactora FC-3/40A coil AC400V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31040042 | Contactora FC-3/40A coil AC42V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC31040048 | Contactora FC-3/40A coil AC48V 1NC | 1 | 40 | 0,660 | 0,660 | 26,400 |

FC3 1NO



| | | | | | | |
|------------|-------------------------------------|---|----|-------|-------|--------|
| FC30032110 | Contactora FC-3/32A coil AC110V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30032230 | Contactora FC-3/32A coil AC230V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30032024 | Contactora FC-3/32A coil AC24V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30032036 | Contactora FC-3/32A coil AC36V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30032400 | Contactora FC-3/32A coil AC400V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30032042 | Contactora FC-3/32A coil AC42V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30040110 | Contactora FC-3/40A coil AC110V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30040024 | Contactora FC-3/40A coil AC24V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30040230 | Contactora FC-3/40A coil AC230V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30040036 | Contactora FC-3/40A coil AC36V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30040400 | Contactora FC-3/40A coil AC400V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30040042 | Contactora FC-3/40A coil AC42V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |
| FC30040048 | Contactora FC-3/40A coil AC48V 1NO | 1 | 40 | 0,660 | 0,660 | 26,400 |