## **3 Phase electronic contactor**



- Rated operational voltage up to 600VAC 50/60 Hz
  - Rated operational current up to 10 / 20A AC-1
  - Control voltage from 5-24 VDC or 24-230 VAC/DC
  - Compact modular design 45 or 90 mm
  - LED Status indication
  - Meets EN 60947-4-3 requirements
  - Requires no additional components
  - Built-in varistor protection
  - IP-20 Protection

## Item selection and technical specifications Load Load Load Load Item number by Item number by Item number by AC-1/51 AC-55b AC-56a AC-3 Control Module-12-240VAC 50/60Hz 24-480VAC 50/60Hz 48-600VAC 50/60Hz Heating Motor Lamp Transwidth voltage Line Voltage Line Voltage Line Voltage element former 5-24 VDC SC 3 DD 2310 SC 3 DD 4010 SC 3 DD 6010 45mm 10A 10A 10A 5A SC 3 DA 4010 24-230 VAC/DC SC 3 DA 2310 SC 3 DA 6010 45mm 5-24 VDC SC 3 DD 2320 SC 3 DD 4020 SC 3 DD 6020 90mm 20A 10A 10A 5A SC 3 DA 2320 SC 3 DA 4020 SC 3 DA 6020 24-230 VAC/DC 90mm **Output load specification** Leakage current 1mA ACmax. Min. operational current 10mA 100% Duty cycle Control terminal specifications SC 3 DD XXXX (DC) SC 3 DA XXXX (AC/DC) 5-24 VDC 24-230 VAC/DC Control voltage Control voltage 20.4 VAC/DC 4 25 VDC Pick-up voltage max. Pick-up voltage max. Drop-out voltage min. 1.5 VDC Drop-out voltage min. 7.2 VAC/DC 6mA / 2.5VA@24 VDC Control current voltage 15 mA@4 VDC Control current / power max. Max. control voltage 32 VDC 253 VAC/DC Max, control voltage Response time max. 1/2 cycle Response time max. 1 cycle Thermal specification 3.3 W/A Operation in ambient temperatures exceeding 40°C is possible if the power Power dissipation for continuous operation PDmax dissipation is limited either by reducing the steady-state current or by reducing Power dissipation for intermittent operation PD 3.3 W/A x dutycycle the duty-cycle as shown in the table. Max.cycle time 15min. Cooling method Natural convection By 40<sup>0</sup>C By 50<sup>0</sup>C By 60<sup>0</sup>C Mounting Vertical +/-300 100% load Duty-cycle 100% 80% load Duty-cycle max. 0.8 70% load Duty-cycle max. 0.65 Operating temperature range EN 60947-4-2 -5C<sup>0</sup> to 40<sup>0</sup>C Environment Storage temperature EN 60947-4-2 -20C<sup>0</sup> to 80<sup>0</sup>C IP 20 Degree of protection Pollution degree 3 Max. operating temperature with current derating 60<sup>0</sup>C \*This products has been designed for class A equipment. Use of the product in domestic environments may cause radio interference, in which case the user may Insulation specifications be required to employ additional mitigation methods Ui 660 Volt Rated insulation voltage \*UL:Use thermal overload protection as required by the National Electric Code. When protected by a non-time delay K5 or H Class fuse, rated 266% of motor Rated impulse withstand voltage Uimp. 4 kVolt FLA, this device is rated for use on a circuit capable of delivering not more than 5,000 rms. symmetrical amperes, 600 V maximum. Maximum surrounding tem-Installation catagory ш perature 40°C

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