



**SERIES CAM-ST**  
**STAR DELTASTARTER**  
**CODE 219203**



### Datasheet

#### Electrical characteristics

|                            |                     |
|----------------------------|---------------------|
| Rated current              | 20A                 |
| Supply Voltage             | - 50/60Hz           |
| Poles                      | 3P                  |
| Rated insulation voltage   | 690 V               |
| Insulation Class           | -                   |
| CAM layout                 | 13                  |
| Function Apparatus Control | Star/Delta starters |
| Type of protection         | -                   |

#### Mechanical characteristics

|                                |                               |
|--------------------------------|-------------------------------|
| Manufacturing material         | High resistance technopolymer |
| Treatment type                 | -                             |
| Surface finishing              | -                             |
| Color                          | -                             |
| Execution                      | Blackplane                    |
| Dimensions                     | 67X67 mm                      |
| Depth                          | 72                            |
| Front-plate dimension          | 67x67                         |
| Hole type                      | -                             |
| IP Protection degree           | IP20                          |
| Additional IPdegree protection | IP65 front plate              |
| Shock resistance               | -                             |
| Resistance to Glow wire        | 960°C                         |
| Flame rating according UL94    | V-0                           |
| Corrosivity category           | -                             |
| Net Weight                     | 0.26 KG                       |
| Working Environment Temp.      | Min: -25°C ;Max: +60°C        |
| Warehousing Temperature        | Min: -40°C ;Max: +80°C        |

#### Technical data switch

|                             |                                                  |
|-----------------------------|--------------------------------------------------|
| Thermal current             | 20 A                                             |
| Rated short-circuit current | 10 kA                                            |
| Terminals type              | Screw - indirect clamping                        |
| Conductors section (Cu)     | Min: 1.5 mm <sup>2</sup> ;Max: 6 mm <sup>2</sup> |
| Terminal tightening torque  | 1,5 Nm                                           |
| Auxiliary status contacts   | -                                                |
| Padlockable handle          | -                                                |

#### Operating category

| Categoria Rating | Tensione Voltage | Corrente / Potenza Current / Power |
|------------------|------------------|------------------------------------|
| AC-22A           | 230 V            | 20 A                               |
|                  | 400 V            | 20 A                               |
|                  | 500 V            | 20 A                               |
|                  | 690 V            | 20 A                               |
| AC-23A           | 230 V            | 18 A                               |
|                  | 400 V            | 18 A                               |
|                  | 500 V            | 12 A                               |
|                  | 600 V            | 12 A                               |
| AC-23A           | 230 V            | 5.7 kW                             |
|                  | 400 V            | 10.0 kW                            |
|                  | 500 V            | 8.3 kW                             |
|                  | 600 V            | 10.0 kW                            |
| AC-3             | 230 V            | 5.1 kW                             |
|                  | 400 V            | 8.9 kW                             |
|                  | 500 V            | 8.3 kW                             |
|                  | 600 V            | 11.5 kW                            |

#### Reference Standards and Directives

Certification and approval marks UKCA, RINA\_ELE094821CS, IMQ, CB IMQ, CE

Directives 2014/35/EU (LVD)

Reference Standards EN 60947-1:2007, EN 60947-1:2007/A1:2011, EN 60947-1:2007/A2:2014, EN 60947-3:2009, EN 60947-3:2009/A1:2012, EN 60947-3:2009/A2:2015

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