



3-phase power supply input 400-500Vac / output 24Vdc 20A

| Series                                                                                    | Triple Power                                                                                                                                |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Code                                                                                      | XCSG500C                                                                                                                                    |
| Type                                                                                      | CSG500C                                                                                                                                     |
| HS code                                                                                   | 85044083                                                                                                                                    |
| INPUT TECHNICAL DATA                                                                      |                                                                                                                                             |
| Input rated voltage                                                                       | 3x 400–500 Vac                                                                                                                              |
| Input voltage AC                                                                          | 340...550 Vac                                                                                                                               |
| Frequency                                                                                 | 47...63 Hz                                                                                                                                  |
| Current consumption                                                                       | 1 A (400 Vac) / 0.6 A (500 Vac)                                                                                                             |
| Inrush peak current                                                                       | 35 A                                                                                                                                        |
| Power factor                                                                              | > 0.75                                                                                                                                      |
| External protection on AC line                                                            | MT: C-10 A / Fuse: T 10 A                                                                                                                   |
| OUTPUT TECHNICAL DATA                                                                     |                                                                                                                                             |
| Output voltage range                                                                      | 24 Vdc $\pm 1\%$                                                                                                                            |
| Output adjustable range                                                                   | 24...28 Vdc                                                                                                                                 |
| Continuous current                                                                        | 20 A at 50°C                                                                                                                                |
| Overload limiting                                                                         | 22 A for >5 s                                                                                                                               |
| Short circuit peak current                                                                | 35 A for 5 s                                                                                                                                |
| Ripple @ nominal ratings                                                                  | 100 mVpp                                                                                                                                    |
| Hold up time                                                                              | 15 ms (400 Vac) / 30 ms (500 Vac)                                                                                                           |
| Status indication                                                                         | LED "DC OK" / LED "Alarm"                                                                                                                   |
| Alarm contact                                                                             | dry contact, max. 1A @ 24 Vdc (Uout >21.6 Vdc)                                                                                              |
| Parallel connection                                                                       | possible                                                                                                                                    |
| Redundant parallel connection                                                             | possible with external ORing diode                                                                                                          |
| GENERAL TECHNICAL DATA                                                                    |                                                                                                                                             |
| Efficiency                                                                                | 93% (400 Vac) / 93% (500 Vac)                                                                                                               |
| Dissipated power                                                                          | 36 W (400 Vac) / 36 W (500 Vac)                                                                                                             |
| Operating temperature range                                                               | -20...+60°C (derating -6 W >50°C)                                                                                                           |
| Input / output isolation                                                                  | 3 kVac / 60 s (SELV output)                                                                                                                 |
| Input / ground isolation                                                                  | 2 kVac / 60 s                                                                                                                               |
| Output / ground isolation                                                                 | 0.5 kVac / 60 s                                                                                                                             |
| Safety Standard                                                                           | EN 62368-1, UL508                                                                                                                           |
| EMC Standard                                                                              | EN 61000-6-2, EN 61000-6-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, EN 61000-3-2, EN 61000-3-3 |
| Overvoltage category / pollution degree                                                   | II / 2                                                                                                                                      |
| Protection degree                                                                         | IP 20                                                                                                                                       |
| Connection terminal                                                                       | 4 mm <sup>2</sup> / 4 mm <sup>2</sup>                                                                                                       |
| Housing material                                                                          | aluminium                                                                                                                                   |
| Dimensions (LxHxD)                                                                        | 80x127x139 mm                                                                                                                               |
| Approximate weight                                                                        | 1.3 kg                                                                                                                                      |
| Mounting information                                                                      | vertical on a rail, 10 mm from adjacent components                                                                                          |
| ACCESSORIES                                                                               |                                                                                                                                             |
| Mounting rail (IEC60715/TH35-7.5)                                                         | PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB                                                                                                    |
| Mounting rail (IEC60715/TH35-15)                                                          | PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB                                                                                                    |
| Marking tag                                                                               | TAP207A, TAP128A, TAP178A, TAP209A                                                                                                          |
| APPROVALS AND MARKINGS                                                                    |                                                                                                                                             |
| CE,  |                                                                                                                                             |



\* 3-phase 400-500 Vac input or 2-phase with derating\* Short circuit, overload, input and output overvoltage protections\* Over temperature protection\* Suitable for applications that require high reliability and performance\* Smart alarm contact, signals when output voltage drops more than 10%\* High overload capability to ensure the protections selectivity and start-up of heavy loads

1 Please refer to the datasheet for more details2 Above overcurrent limit, the protection starts cycling in ON/OFF mode(hiccup autoreset), the maximum current supplied depends by the line resistance

## DESCRIZIONE DEL PRODOTTO

CSG500C 3-phase power supply input 400-500Vac / output 24Vdc 20A

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