

Features:

- ☑ three-phase controlled soft starter
- ☑ easy mounting, also for retrofitting into existing systems
- ☑ terminal arrangement suitable for switchgear connection
- ☑ integrated bypass contactor
- ☑ no mains neutral conductor (N) required
- ☑ functional peak current reduction
- ☑ monitoring for heat sink temperature
- ☑ monitoring of motor temperature via motor thermistor
- ☑ potential-free control inputs and outputs
- ☑ special voltages up to 690V
- ☑ robust metal enclosure
- ☑ degree of protection IP 20



Soft Starters
DAS-T 7,5 ... 55
CE

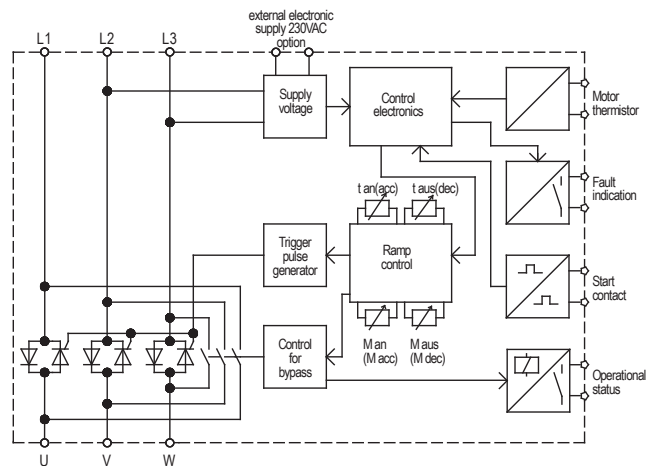
Function:

- ☑ soft acceleration and deceleration
- ☑ acceleration/deceleration via control contact or control voltage 10 ... 42VDC (selectable)
- ☑ 4 separately adjustable parameters
starting torque, acceleration time,
soft stop torque, deceleration time
- ☑ potential-free output for operational status*
250VAC/8A
- ☑ fault signalling contact (250VAC/8A)
- ☑ input for motor thermistor
- ☑ for special voltages higher than 500V
external electronic supply 230VAC necessary

* closed when power semiconductors are bridged, or closed from start of acceleration to end of deceleration

Typical Applications:

- pumps
- ventilators
- conveying systems
- dryers, washing machines
- compressors
- cranes, trolleys

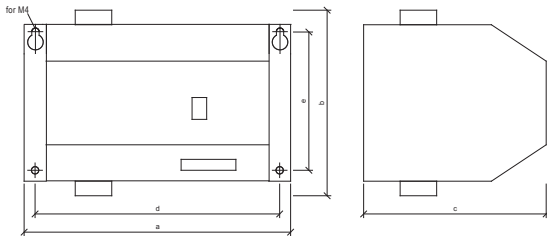


| | | | | | | | |
|---|--|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Typical designation | DAS-T 7,5 | DAS-T 11 | DAS-T 15 | DAS-T 22 | DAS-T 30 | DAS-T 37 | DAS-T 55 |
| motor rating at 400V mains voltage | 7,5kW | 11kW | 15kW | 22kW | 30kW | 37kW | 55kW |
| mains / motor voltage according to DIN EN 50160 (IEC 38) | 400V ± 15% 50/60Hz (up to 690V upon request) | | | | | | |
| order number | 20900. 40007 | 20900. 40011 | 20900. 40015 | 20900. 40022 | 20900. 40030 | 20900. 40037 | 20900. 40055 |

Please observe supplementary sheet with dimensioning rules!

| Technical data | DAS-T 7,5 | DAS-T 11 | DAS-T 15 | DAS-T 22 | DAS-T 30 | DAS-T 37 | DAS-T 55 |
|--|--|----------|----------|----------|-------------------|----------|----------|
| mains / motor voltage according to DIN EN 50160 (IEC 38) | 400V \pm 15% 50/60Hz (bis 690V upon request) | | | | | | |
| device rated current | 17A | 25A | 32A | 48A | 63A | 75A | 105A |
| motor rating at 400V mains voltage | 7,5kW | 11kW | 15kW | 22kW | 30kW | 37kW | 55kW |
| min. motor current | 10% of the device rated current | | | | | | |
| starting torque | 0 ... 80% | | | | | | |
| acceleration time | 0,5 ... 25s | | | | | | |
| soft stop torque | 20 ... 80% | | | | | | |
| deceleration time | 0 ... 15s | | | | | | |
| reset time | 200ms | | | | | | |
| max. switching cycle at 3xI _e and 5s t _{an} | 120/h | 120/h | 120/h | 120/h | 120/h | 120/h | 120/h |
| max. cross-sectional area control terminals | 16mm ² | | | | 35mm ² | | |
| max. cross-sectional area power terminals | 1,5mm ² | | | | | | |
| I ² t - value power semiconductor in A ² s | 3600 | 3600 | 8000 | 10500 | 18000 | 51200 | 125000 |
| ambient / storage temperature | 0°C ... 45°C / -25°C ... 75°C | | | | | | |
| weight / kg | 3,8 | 3,8 | 4 | 4 | 7,8 | 8 | 8,2 |

Dimensions:



| | a [mm] | b [mm] | c [mm] | d' [mm] | e' [mm] |
|-----------|--------|--------|--------|---------|---------|
| DAS-T 7,5 | 235 | 245 | 140 | 218 | 170 |
| DAS-T 11 | 235 | 245 | 140 | 218 | 170 |
| DAS-T 15 | 235 | 245 | 140 | 218 | 170 |
| DAS-T 22 | 235 | 245 | 140 | 218 | 170 |
| DAS-T 30 | 335 | 245 | 170 | 318 | 170 |
| DAS-T 37 | 335 | 245 | 170 | 318 | 170 |
| DAS-T 55 | 335 | 245 | 170 | 318 | 170 |

Connection Diagram:

