

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 of 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
AC-DAS-T 7,5 ... 55
CE

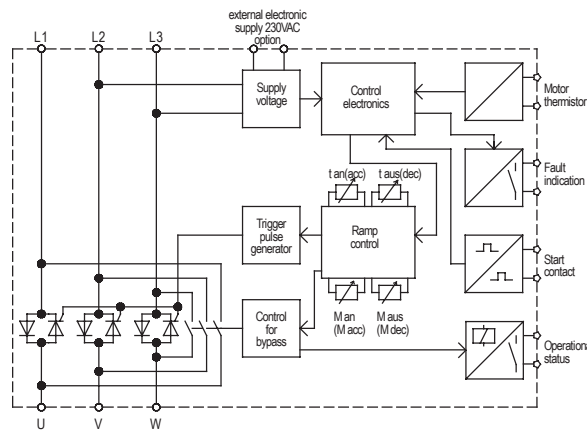
Function:

- ▣ 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 an external electronic supply (230VAC) is necessary.

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

Typical Applications:

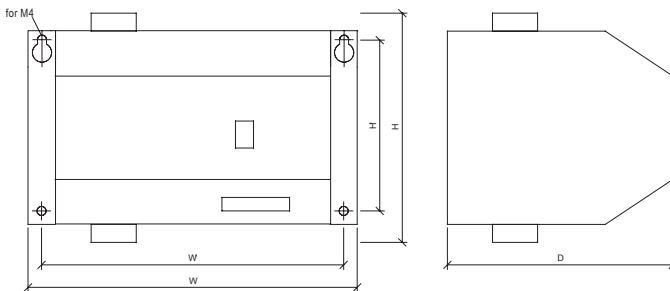
- pumps
- ventilators
- conveying machinery
- dryers, washing machines
- compressors
- cranes, trolleys



Technical Data	AC-DAS-T						
	7,5	11	15	22	30	37	55
Mains / Motor voltage (Standard) according to DIN EN 50160 (IEC 38)	400V ±15% 50/60Hz (up to 690V upon request)						
Device rated current	17A	25A	32A	48A	63A	75A	105A
Motor rating	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 3x Ie and 10s tan	120/h	100/h	80/h	60/h	40/h	40/h	20/h
Cross-sectional area of connecting cable	Control terminals			1,5mm ²			
	Power terminals			16mm ²		35mm 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
Order number	20900.40007	20900.40011	20900.40015	20900.40022	20900.40030	20900.40037	20900.40055

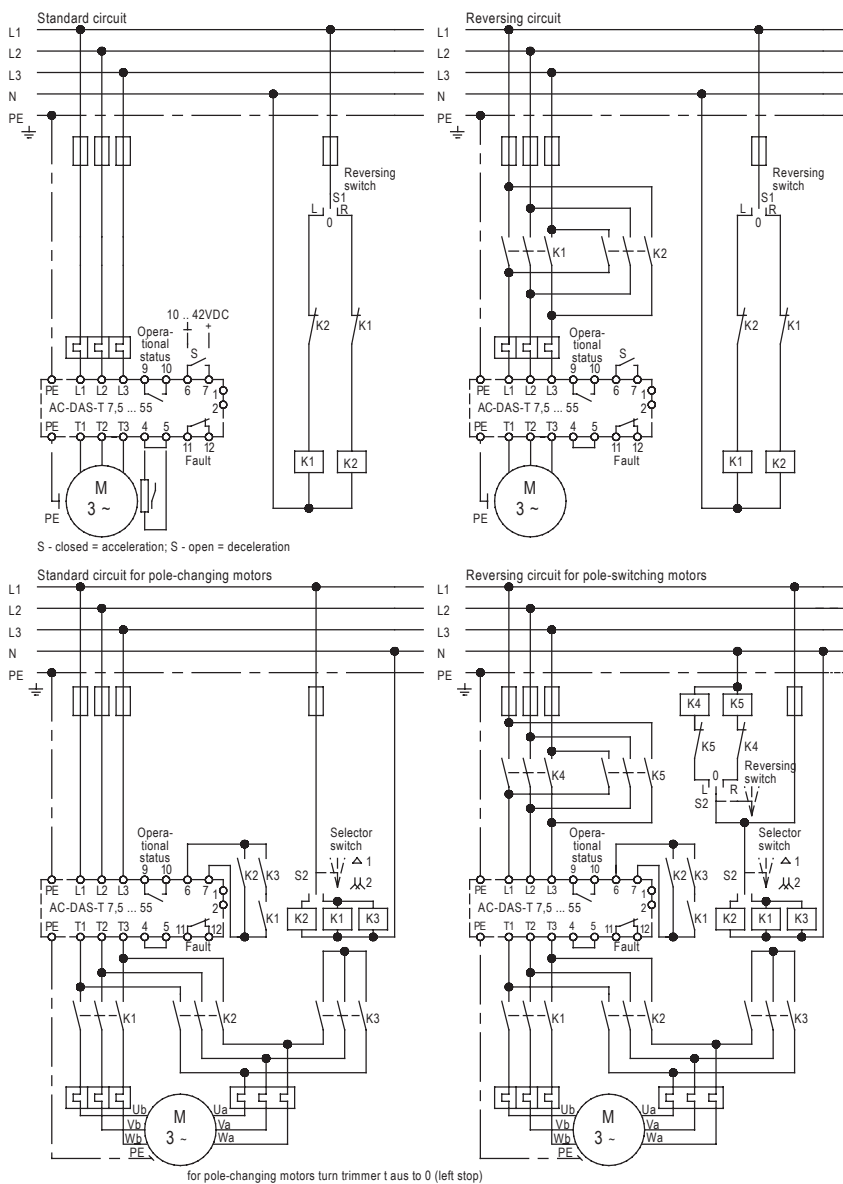
Please observe supplementary sheet with dimensioning rules.

Dimensions:



	W [mm]	W' [mm]	H [mm]	H' [mm]	D [mm]
AC-DAS-T 7,5	235	218	245	170	140
AC-DAS-T 11	235	218	245	170	140
AC-DAS-T 15	235	218	245	170	140
AC-DAS-T 22	235	218	245	170	140
AC-DAS-T 30	335	318	245	170	170
AC-DAS-T 37	335	318	245 <td 170	170	
AC-DAS-T 55	335	318	245	170	170

Connection Diagrams:



EMC
 The limit values for emitted interference according to the applicable device standards do not rule out the possibility that receivers and susceptible electronic devices within a radius of 10m are subjected to interference. If such interference, that is definitely attributable to the operation of the soft starters "AC-DAS", occurs, the emitted interference can be reduced by taking appropriate measures. Such measures are, e.g.:
 To connect reactors (3mH) or a suitable mains filter in series before the soft starter, or to connect X-capacitors (0,15µF) in parallel to the supply voltage terminals.

Subject to change without notice.