

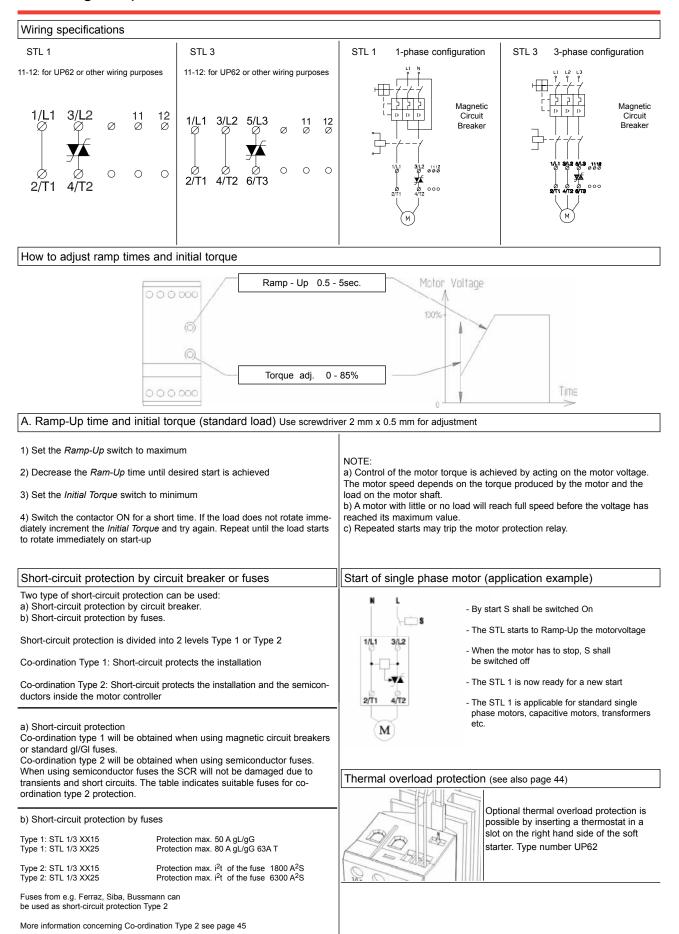
- Rated operational voltage up to 690 VAC 50/60 Hz
- Rated operational current: 15 Amp or 25 Amp
- Ramp Up adjustable from 0.5-5 sec
- Initial torque adjustable from 0-85%
- LED status indication
- Meets EN 60947-4-2 requirements
- High number of start/stop operations pr. hour. See data

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Item selection and t		1	· ·	1	<u> </u>	,	1		1		1	
Load ratings	by 110-127VAC 208-480		n number by -480VAC 550-600VA 50Hz Line 50/60Hz Li age Voltage		ວໍ່	Item number by 550-690VAC 50/60Hz Line Voltage	Up			nent	Module- width	
Items for 1-phase motors	1											
15A AC-53a	STL 1 1215 STL 1 40		4015	015 STL 1 6015								
25A AC-53a	STL 1 1225	STL 1	4025	STL 1 6025				Ramp-up time 0.5 - 5 sec.		0- 85% adjustable of norminal torque		
Items for 3-phase motors	1						ume 0.5	- 5 Sec.		inal lorque		
15A AC-53a	STL 3 1215	STL 3	4015	15 STL 3 6015							45mm	
25A AC-53a	STL 3 1225	STL 3 1225 STL 3 40		025 STL 3 6025		STL 3 6925 *	#				45mm	
Load specified with	utilisation c	ategory AC	-53a									
STL 1 and 3 XX/15/25 AC-53a: No by-pass contactors is nessesary during running												
Output load specific	ation											
STL 1 and 3 XX15			More in	More info. page 45 S		STL 1 and 3 XX25				More info. page 4		
Overload current profile AC-53a			X-Tx:8-	X-Tx:8-3 : 100-3000		Overload current profile AC-53a			X-Tx:8-3 : 100-		: 100-3000	
Overload relay trip class AC-53a			10 or 1	10 or 10A		Overload relay trip class AC-53a				10 or 10A		
Min. operationa			nal current:	l current: 50mA			Min. operat			ational current: 50mA		
Thermal specification	on	I			1			1				
Power dissipation for continuous operation PDmax 1W/A					Operation in ambient temperatures exceeding 40 <sup>o</sup> C is possible if the power dissipation is limited either by reducing the steady-state current or by reducing the duty-cycle of the soft starter as shown in the table. Max.cycle time 15min.							
Power dissipation for intermittent operation PD 1W/A x dutycycle												
Cooling method			Natural	Natural convection Vertical +/-30 <sup>0</sup>		By 40°C (STL X XX25) By 50°C (STL X XX25) By 60°C (STL X XX2					X XX25)	
Mounting			Vertical			100% load Duty-cycle 100% 80% load Duty-cycle max. 0,8 70% load Duty-cycle max. 0,6						
Operating temperature range EN 60947-4-2				D 40 <sup>o</sup> C								
Max. operating temperature with current derating			60 <sup>0</sup> C	60 <sup>0</sup> C		Degree of protection IP 20 Pollution degree 3						
Storage temperature EN 60947-4-2			-20C <sup>0</sup> t	-20C <sup>0</sup> to 80 <sup>0</sup> C		Approval						
Insulation specifications					CUL Std No. 508 Not approved STL 3 6925							
Rated insulation voltage			Ui 660 Vo	lt	*UL:Use thermal overload protection as required by the National El					National Elect	tric Code.	
Rated insulation voltage # Ui			Ui 690 Vo	lt	When protected by a non-time delay K5 or H Class fuse, rated 266% of mo FLA, this device is rated for use on a circuit capable of delivering not more							
Rated impulse withstand voltage			Uimp. 4 k\	5,000 rms. symmetrical amperes, 600 V maximum. Maximum surrou								
Installation catagory			III			Mounting and cable wiring information						
Functional diagram					Mounting information see page 44 / Cable wiring see page 45							
					Dime	nsions (co alco	2020 36)					
Mains Ue L1,L2,L3						Dimensions (se also page 36) Type H D					W	
Motor voltage						m module			- 128.1 mm	4	5 mm	
LED 1					EMC							
					This component meets the requirements of the product standard EN60947-4-2 and is CE marked according to this standard. These 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 be							
* NOT cUL APPROVED					requir	ed to employ add	litional mitig	ation me	thods.			



## Starting Torque Limiter (STL Soft Starter for 1&3-phase motors, one controlled phase)



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