

# Main Switches 85A, 100A and 125A

- 3pole and 4pole same size
- All typical styles
  - Emergency - stop
  - Panel mounting
  - Add-on modules
  - Base mountig with door clutch
  - For distribution Boards
  - Plastic enclosed



**Data according to IEC 60947-3, VDE 0660**

Type		LTS85	LTS100	LTS125
<b>Main contacts</b>				
Rated thermal current $I_{th}$	<b>A</b>	85	100	125
Rated insulation voltage $U_i$ <sup>1)</sup>	<b>V</b>	1000	1000	1000
Rated operational current $I_e$ AC21A	<b>A</b>	85	100	125
Rated operational current $I_e$ AC23A	<b>A</b>	60	72	85

**Data according to UL 508**

Rated voltage	<b>V</b>	600	600	600	
Ampere-Rating "General use"	<b>A</b>	85	100	125	
DOL-Rating 3-phase					
	110-120V	<b>HP</b>	7,5	10	15
	220-240V	<b>HP</b>	20	25	30
	440-480V	<b>HP</b>	40	50	60
	550-600V	<b>HP</b>	50	50	60
DOL-Rating 1-phase					
	110-120V	<b>HP</b>	3	5	7,5
	200-208V	<b>HP</b>	7,5	10	10
	220-240V	<b>HP</b>	10	15	15
Fuse size (RK5)	Manual Motor Controller	<b>A</b>	200	250	350
5kA / 600V					

**Cable cross-sections**

for contactors without thermal overload relay

1 cable per clamp				
main connector				
	solid or stranded	<b>mm<sup>2</sup></b>		4 - 50
	flexible	<b>mm<sup>2</sup></b>		10 - 35
	flexible with multicore cable end	<b>mm<sup>2</sup></b>		6 - 35
2 cables per clamp				
	solid or stranded	<b>mm<sup>2</sup></b>		50+4 / 35+6 / 25+(6-16) 16+(6-16) / 10+(6-16)
	flexible	<b>mm<sup>2</sup></b>		50+(4-10) / 35+(4-16) 25+(4-25) / 16+(4-16)
Size of terminal screw				M6
1 cable per clamp				
	main connector	solid	<b>AWG</b>	12 - 10
flexible		<b>AWG</b>		10 - 0
2 cables per clamp				
	solid	<b>AWG</b>		10+(12-10) / 12+12
	flexible	<b>AWG</b>		1+(12-10) / 2+(8-12) 3+(12-8) / 4+(10-6)

1) suitable for: earthed-neutral systems, overvoltage category I to III, pollution degree 3 (standard-industry):  $U_{imp} = 8kV$ .

Technical data are subject to change without notice