

For use in the control cabinet

ET 200pro motor starters

General data

Type		Standard motor starters	High Feature motor starters
Technology designation ¹⁾		DSe, RSe	DSe, RSe sDSSSte, sDSte, sRSSSte, sRSte
Device functions (firmware features)			
Parameterizable rated operational current		✓	
Integrated short-circuit protection		3	
Programmable current limits		--	✓, 2 limit values
Parameterizable response to current limit violation		--	✓
Residual current monitoring		✓	
Parameterizable response to residual current violation		✓	
Parameterizable current asymmetry limit	%	--, fixed limit value (30 x I_e)	✓, 30 ... 60 x I_e
Parameterizable response to asymmetry limit violation		✓	
Motor blocking monitoring		--	✓
Parameterizable blocking current limit	%	--	✓, 150 ... 1 000 x I_e
Parameterizable blocking time limit	s	--	✓, 1 ... 5
Current value transmission		✓	
Group warning diagnostics		--	✓, parameterizable
Group diagnostics		✓, parameterizable	
Emergency start		✓	
Digital inputs		--	✓, 4 inputs
• Parameterizable input signal		--	✓, latching/non-latching
• Parameterizable input level		--	✓, NC/NO
• Parameterizable input signal delay	ms	--	✓, 10 ... 80
• Parameterizable input signal extension	ms	--	✓, 0 ... 200
• Parameterizable input control actions		--	✓, 12 different actions
Brake output (400 V AC)		✓, order option	
Parameterizable brake release delay	s	✓, -2.5 ... 2.5	
Parameterizable brake holding time during stopping	s	✓, 0 ... 25	
Parameterizable starting mode		--	✓
Parameterizable stopping time		--	✓
Parameterizable start voltage		--	✓
Parameterizable stop voltage		--	✓
Local device interface		✓	
Firmware update		✓, by specialists	
Thermal motor model		✓	
Parameterizable trip class		--, CLASS 10 fixed	✓, CLASS 5, 10, 15, 20
Parameterizable response to overload of thermal motor model		--	✓, 3 possible states
Prewarning limit motor heating	%	--	✓, parameterizable 0 ... 95
Prewarning limit remaining time for tripping	s	--	✓, parameterizable 0 ... 500
Parameterizable recovery time	min	--	✓, 1 ... 30
Parameterizable protection against voltage failure		--, permanently integrated	✓
Reversing start function		✓, order option	
Parameterizable interlocking time for reversing starters		--, 150 ms fixed	✓, 0 ... 60 s
Integrated logbook functions		✓, 3 device logbooks	
Integrated statistics data memory		✓	
Parameterizable response to CPU/master STOP		✓	
PROFenergy profile support			
• Disconnection of the motor current during idle times		3	
• Measured motor current values		3	
Device indications			
• Group fault		SF LED (red)	
• Switching status		STATE LED (red; yellow, green)	
• Device status		DEVICE LED (red; yellow, green)	
• Digital inputs		--	IN 1 ... IN 4, LED

✓ Function is available

-- Function is not available

¹⁾ DS Direct-on-line starter

RS Reversing starter

DSS .. Direct soft starter

RSS .. Reversing soft starter

e Solid-state motor protection

te Full motor protection (thermal + electronic)

s Electronic switching with semiconductor.