



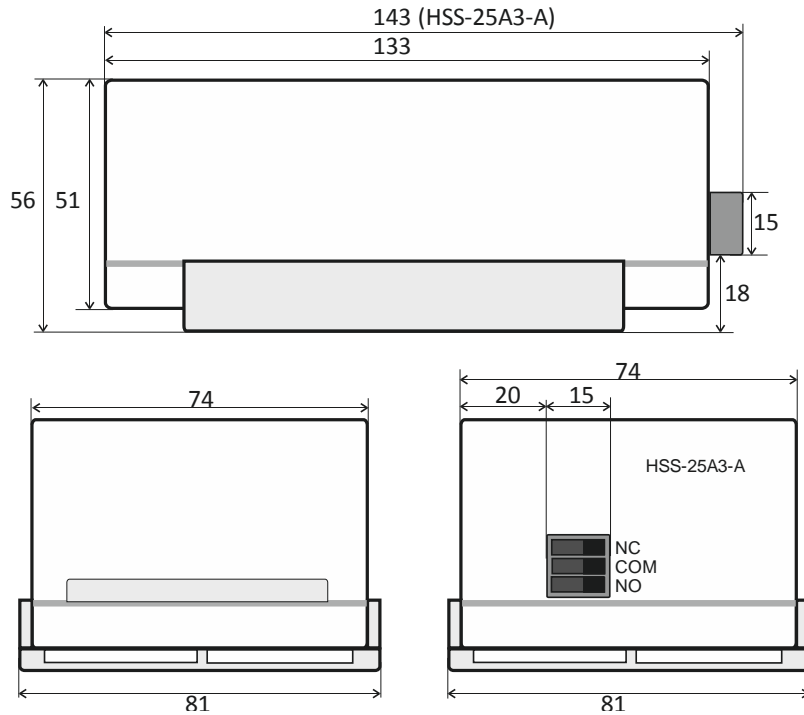
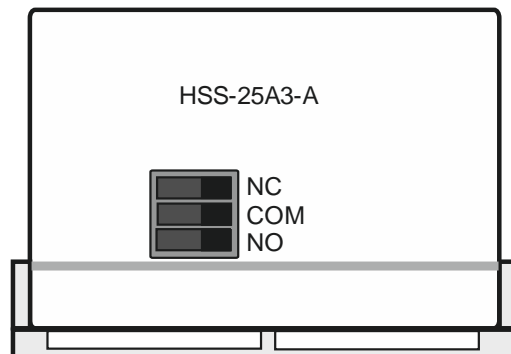
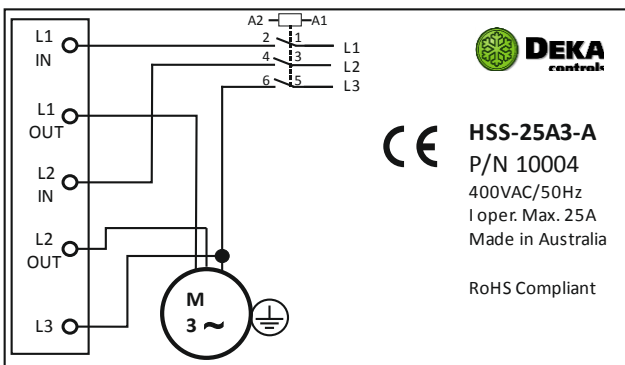
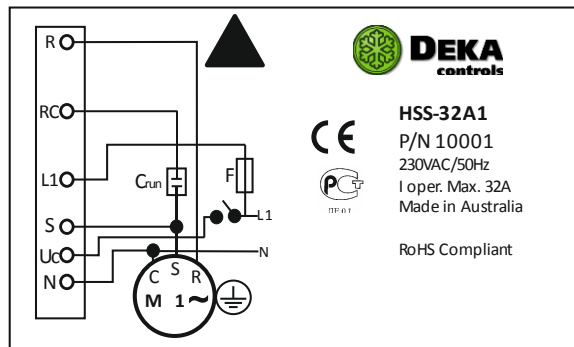
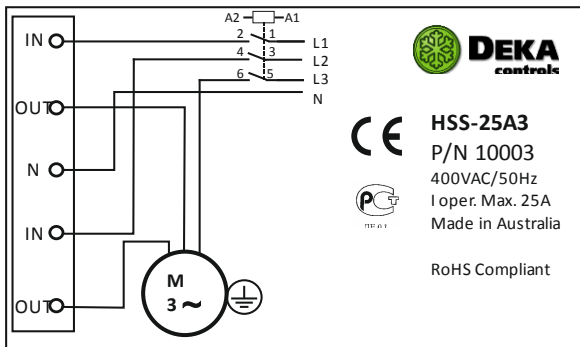


## HSS-Series Softstarter

<p><b>HSS-32A1, HSS-25A3 and HSS-25A3-A:</b></p> <p><b>Electronic start-up current limiter of the HSS Series for switching, limiting start-up current and protecting single-phase and three-phase compressors in heat pumps and in refrigeration and air conditioning applications..</b></p> <p> </p>	<p><b>Product highlights:</b></p> <ul style="list-style-type: none"> <li>• Limits start-up current to less than 45 A</li> <li>• For motors with maximum nominal current of 32 A</li> <li>• Automatic adaptation to compressor power output</li> <li>• Automatic switch-off in case of under voltage and blocked rotor</li> <li>• Limits the number of motor starts per hour</li> <li>• Long lifetime due to Thyristor protected contactor</li> <li>• Integrated diagnostic program</li> <li>• Simple and quick to install</li> </ul> <p><b>3 Phase Models</b></p> <ul style="list-style-type: none"> <li>• For compressors up to 25A</li> <li>• With Reverse Phase protection</li> <li>• HSS-25A3-A with additional Alarm relay and Overvoltage protection</li> </ul>
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### Technical specifications

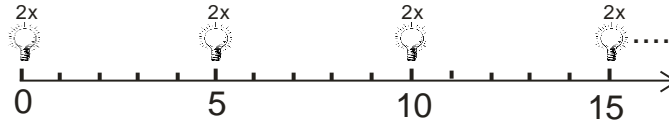
Power supply	Single-phase current limiter HSS-32A1	Three-phase current limiter HSS-25A3	Three-phase current limiter HSS-25A3
P/N	10 001	10 003	10 004
Operating voltage	230 VAC 50/60Hz	400VAC 50Hz	
Nominal current	32 A	25 A	
Compressor start-up current	max. 45A	Reduced to 60%	
Operating temperature	-20 ... +65°C		
Storage temperature	-40 ... +85°C (non condensing)		
Time delay	3 Min.		
After Compressor stop:	5 Min.		
Blocked Rotor/Software fault:			
Vibration resistance	4 g (10 ... 1000 Hz)		
Low Voltage shut-off	< 185V L/N	< 353 V	
High Voltage shut-off		> 460 V	
Weight	365 g	285 g	320 g
Standards	EN 60947-5-1, EN60947-4-2, EN60335-2-40, EN60335-1, IEC61058-1, EN61000-6-1, EN61000-3-2, EN61000-3-3	EN 60947-5-1 EN 60947-4-2	
Protection class	IP20 (IEC 529 / EN 60529)		
Reverse Phase protection	./.	yes	
Additional Relais		0,5A/230VAC	

**Dimension**

**Electrical Connection**


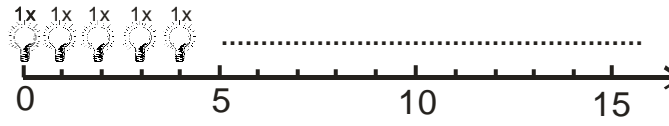
**LED Indication**

**HSS-32A1**

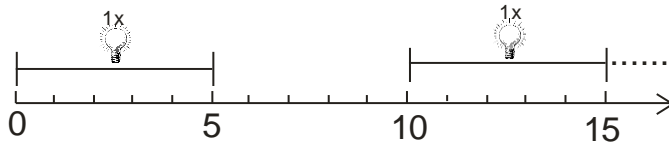
Ready, waiting for start:



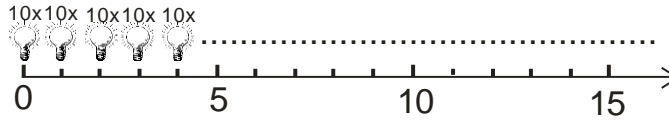
Time Delay 3 Min.:



Fault:

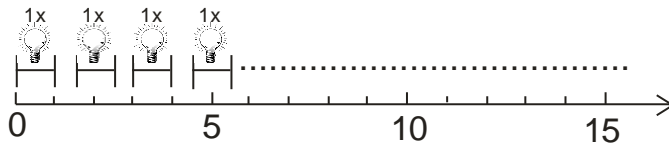


Low Voltage:

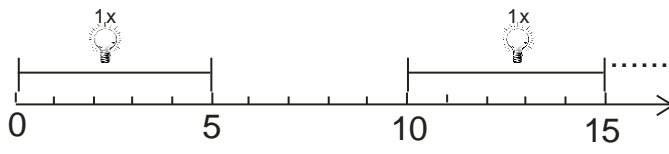


**HSS-25A3**

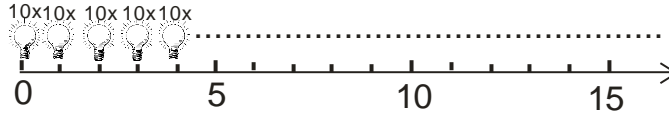
Reverse Phase:



Fault:

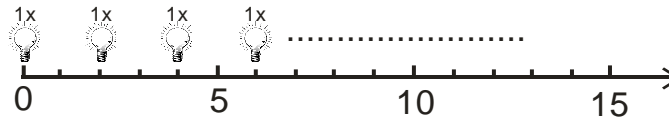


Low Voltage:

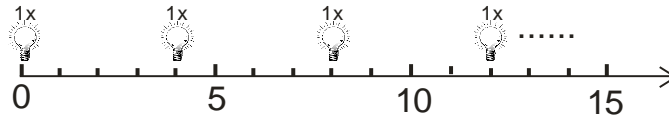


**HSS-25A3-A**

Reverse Phase:



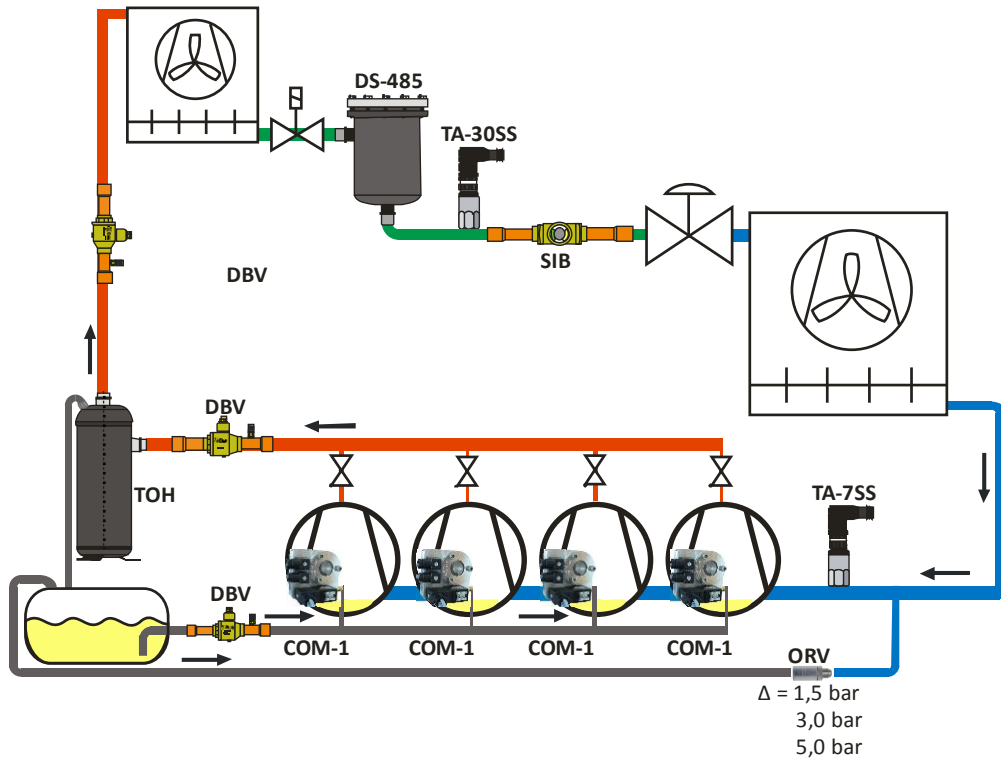
Fault:



Low/High Voltage



**Cycle Diagram with other DEKA Products**



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