

# Datasheet

## X-starter



Part no. 65431



### Manufacturer & Type

|              |                                   |
|--------------|-----------------------------------|
| Manufacturer | Sperre Industri AS                |
| Model        | Starter A16-24/25 E 380-480/230 K |
| Type         | XSSA42E-16-24/25                  |
| Compressor   | X-range Air-cooled                |

### Supply

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Main Volts/Cycles/Phases            | 380-480 VAC / 50-60Hz / 3-phase    |
| Control Voltage Outputs             | 230 VAC / 50-60Hz                  |
| Control Voltage Inputs              | 24 VDC                             |
| Thermal relay range, In             | 16-24 A                            |
| Contactur type                      | 25A                                |
| Max rating of associated main fuses | 50 A                               |
| Associated control fuses F4-F5      | 5x25mm, 1,0A quick acting          |
| Associated control fuses F6-F7      | 5x25mm, 0,4A-2,5A med. slow acting |
| Main supply cableglad size          | M25, 9-14mm                        |

### Technical Data

|                    |                    |
|--------------------|--------------------|
| Size of enclosure  | 500 x 300 x 200 mm |
| Enclosure rating   | IP 65              |
| Enclosure painting | RAL 9006           |
| Weight             | 16 Kg              |

### Digital Inputs

1. Local emergency stop
2. External emergency stop
3. Thermal overload relay
4. Remote start / stop
5. Remote load / unload
6. No function
7. Oil level shutdown
8. PTC thermistors el-motor

### Digital Outputs

1. Signal to contactor
2. Drain valve solenoid
3. Function selectable
4. Remote mode signal
5. Remote alarm / service alarm
6. Remote com. Shutdown

### Output 3 selection

1. Alarm
2. Shutdown
3. Group Fault
4. Alarm / Service alarm
5. Service Alarm
6. Heater (default)
7. Standby
8. Running
9. Loaded
10. Started

### Analogue Inputs 4-20mA

1. Delivery pressure transducer
2. Compressor high pressure transducer
3. Compressor low pressure transducer

### Analogue Output 4-20mA

1. Function selectable

### Analogue Output selection

0. Delivery pressure
1. Delivery temperature
2. High pressure compr.
3. Motor current (A)

### Analogue Inputs expansion module

4. Delivery temperature transducer
5. Compressor oil-level transducer
6. No function
7. Compressor motor current transducer

### Communications

2 RS485 ports

### Ports

Port 1 Modbus communication  
Port 2 PMS between compressors

### Extraordinary Functions

Automatic service cycle function  
Service log  
Error log with the 30 last fault codes  
Pressure Management System  
Power Failure Auto Restart  
Multi language

### General Operations

1. Semi Automatic Mode
2. Fully Automatic Mode
3. Test Mode Safety Valve
4. Test Mode Drain & Leak

### Led Indicators

1. Status running (green)
2. Faults (red)
3. Service (yellow)

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