

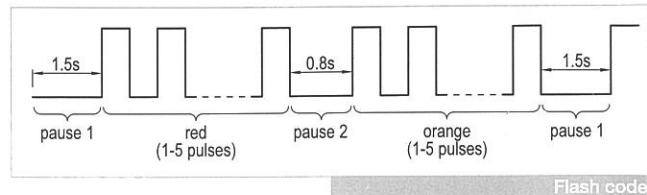
# INT69 Y<sup>®</sup> Diagnose

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### Flash code

The KRIWAN flash code allows for a quick and easy status display and troubleshooting.

The flash code consists of a cyclical red and orange flash sequence. The current status can be determined from the number of pulsing flashes.



### Overview flash code

Green lit	Compressor operational
Green flashing	Compressor running
Red/Orange flashing	Error, compressor is switched off; for description see table below

1st flashing sequence (LED red)	2nd flashing sequence (LED orange)	Description
1	1	Motor temperature: Static switch off, Permissible winding temperature exceeded
	3	Motor temperature: Reset delay after static switch-off
	4	Motor temperature: Sensor input detected open circuit or short circuit
2	1	Motor voltage: Incorrect phase sequence
	2	Motor voltage: Phase failure/asymmetry
	4	Motor voltage: Reset delay after "Motor voltage" error
3	1	General: Supply voltage too low
	5	General: Reset delay after "General" error

### Order data

INT69 Y Diagnose (AC115-240V)	<b>22 A 634</b>
INT69 Y Diagnose (AC 24V)	<b>31 A 634</b>
Accessories and application information	see <a href="http://www.kriwan.com">www.kriwan.com</a>

### Technical specifications

Supply voltage	AC 50/60Hz 115-240V -15...+10% 3VA
- 22 A 634	
- 31 A 634	AC 50/60Hz 24V -15...+10% 3VA
Permitted ambient temperature	-30...+70°C
Temperature measuring circuits	
- Type	1-2 AMS sensors in series alternative 1-9 PTC sensors acc. to DIN 44081, DIN 44082 in series
- R <sub>25, total</sub>	<1.8kΩ
- R <sub>trip, static</sub>	4.5kΩ ±20%
- R <sub>reset</sub>	2.75kΩ ±20%
- Max. length connection line	30m
Short circuit monitoring system PTC	Typically <30Ω
Motor voltage	3 AC 50/60Hz 200-690V ±10%
Phase monitoring	
- Phase sequence	Active about 1s after motor start for about 5s
- Phase failure	Active about 1s after the motor start until the motor stop
- Inactive	After motor stop for approx. 15s
Switching frequency overstepping	3 switch-offs in 30s
Operation with frequency converters	Not suitable
Reset delay	
- Motor temperature static	5min ±1min
- Switching frequency overstepping	5min ±1min
- Incorrect phase sequence	Locked
- Phase failure	
1.-9./24h	5min ±1min
10./24h	Locked
Resetting the lock or the reset delay	Main reset >5s only possible if there is no error current
Relay	
- Contact (22 A 634)	AC 240V 2.5A C300 at least AC/DC 24V 20mA
- Contact (31 A 634)	AC 240V 2.5A C300 at least AC/DC 100mV 0.5mA
- Mechanical service life	Approx. 1 million switching cycles
Interface	Diagnose port (DP)
Protection class acc. to EN 60529	IP00
Connection type	6.3mm flat plugs
Housing material	PA glass-fibre-reinforced
Mounting	Screw mounted
Dimensions	Refer to dimensions in mm
Weight	Approx. 200g
Check base	EN 61000-6-2, EN 61000-6-3 EN 61010-1 Overvoltage category II Pollution level 2
Approval	UL File No. E75899 cUR <sub>us</sub>