

# INT69 YF Diagnose Extended



## Parameter table 20 A 701 P081

Parameters can be read with function code 3 (Read Holding Register) and written with function code 6 (Write single register).

### INT69 YF Diagnose Extended

Parameter	Range	Default	Unit
<b>Engine temperature</b>			
Sensor type	Disabled, Pt100, Pt1000, PTC, Bimetal, External relay contact	PTC	
Designation	0...40 character	Designation	
Motor temperature trip point temperature	-100...300	140	°C
Warning temperature	-100...300	110	°C
Hysteresis	0...300	30	K
Trip delay	00:00.1...59:59.9	00:00.1	mm:ss.f
Reset delay	00:00:00...18:12:14, locked	locked	hh:mm:ss
Line correction	0.0...100.0	0.0	⊘
Designation external relay contact	0...40 character	Designation external relay contact	
<b>Temperature 1</b>			
Sensor type	Disabled, Pt100, Pt1000, PTC	Pt100	
Designation	0...40 character	Designation	
Trip point temperature	-100...300	150	°C
Warning point temperature	-100...300	130	°C
hysteresis	0...300	30	K
Trip delay	00:00.1...59:59.9	01:00.0	mm:ss.f
Reset delay	00:00:00...18:12:14, locked	00:00:00	hh:mm:ss
Line correction	0.0...100.0	0.0	⊘
<b>Temperature 2</b>			
Sensor type	Disabled, Pt100, Pt1000, PTC	Pt100	
Designation	0...40 character	Designation	
trip point temperature	-100...300	150	°C
warning temperature	-100...300	130	°C
hysteresis	0...300	30	K

## INT69 YF Diagnose Extended

Parameter	Range	Default	Unit
Trip delay	00:00.1...59:59.9	01:00.0	mm:ss.f
Reset delay	00:00:00...18:12:14, locked	00:00:00	hh:mm:ss
Line correction	0.0...100.0	0.0	‰

### Leakage 1

Operating mode	Disabled, Exceed resistance, Resistance below	Resistance below	
Designation	0..40 character	Designation	
Trip point value	5...1500	60	kΩ
Warning value	5...1500	75	kΩ
hysteresis	1...999	10	kΩ
Trip delay	00:00.1...59:59.9	01:00.0	mm:ss.f
Reset delay	00:00:00...18:12:14, locked	00:00:00	hh:mm:ss

### Switching input 1

Operating mode	Disabled, Normally closed, Normally open, Reset	Normally closed	
Designation	0..40 character	Designation	
Reset delay	00:00:00...18:12:14, locked	00:00:00	hh:mm:ss

### Analog input 1

Operation mode	Disabled, Exceed, Falling below	Disabled	
Designation	0..40 character	Designation	
Base current	0=Disabled...19.9	4.0	mA
Trip point value	0.1...19.9	15.2	mA
Warning value	0.1...19.9	12.8	mA
Hysteresis	0.1...19.9	2.0	mA
Trip delay	00:00.1...59:59.9	02:00.0	mm:ss.f
Reset delay	00:00:00...18:12:14, locked	00:00:00	hh:mm:ss
Conversion value min	-500.0...5999.9	0.0	
Conversion value max	-499.9...6000.0	20.0	
Conversion unit	0..5 character	Conversion unit	
Time to surveillance	00:00.5...49:13.5	00:03.0	mm:ss.f

### Voltage monitoring

## INT69 YF Diagnose Extended

Parameter	Range	Default	Unit
Operating mode	Disabled, Monitoring of 3 phases	Monitoring of 3 phases	
Attitude	Sinusoidal operation, FC operation	Sinusoidal operation	
Phase sequence operation mode	Disabled, Active	Active	
Missing phase operation mode	Disabled, Active	Active	
Phase failure reset point value	0...100	75	%
Phase failure reset delay	00:00:03...18:12:14, locked	00:00:10	hh:mm:ss
Voltage imbalance operation mode	Disabled, Active	Active	
Voltage imbalance trip point - alarm	1...100	15	%
Voltage imbalance trip point - warning	1...100	10	%
Phase asymmetry hysteresis	1...99	5	%
Phase asymmetry trip delay	00:00.1...59:59.9	00:00.3	mm:ss.f
Phase asymmetry reset delay	00:00:03...18:12:14, locked	00:00:10	hh:mm:ss

### Undervoltage monitoring

Operating mode	Disabled, Limit 1 Warning, Limit 1 shutdown	Limit 1 Warning	
Undervoltage limit 1	60...690	207	V
Undervoltage limit 2	60...690	195	V
Undervoltage hysteresis	1...600	20	V
Undervoltage trip delay limit 1	00:00.1...59:59.9	00:03.0	mm:ss.f
Undervoltage trip delay limit 2	00:00.1...59:59.9	00:03.0	mm:ss.f
Undervoltage reset delay	00:00:03...18:12:14, locked	00:00:10	hh:mm:ss

### Overvoltage monitoring

Operating mode	Disabled, Limit 1 Warning, Limit 1 shutdown	Limit 1 Warning	
Overvoltage limit 1	60...690	253	V
Overvoltage limit 2	60...690	265	V
Overvoltage hysteresis	1...600	20	V
Overvoltage trip delay limit 1	00:00.1...59:59.9	00:03.0	mm:ss.f
Overvoltage trip delay limit 2	00:00.1...59:59.9	00:03.0	mm:ss.f
Overvoltage reset delay	00:00:03...18:12:14, locked	00:00:10	hh:mm:ss

### Switching frequency overstepping

## INT69 YF Diagnose Extended

Parameter	Range	Default	Unit
Operating mode	Disabled, Warning, Alarm	Disabled	
Time window	00:00:01...12:00:00	00:00:30	hh:mm:ss
Switching per time window	2...10	3	
Reset delay	00:00:00...18:12:14, locked	locked	hh:mm:ss

### Service interval

Status	Disabled, restart, Active	Disabled	
Service interval duration	100...26280	24000	h

### Relay 1

Selection of alarms 1	Bit 00: Engine temperature	Engine temperature
	Bit 01: Temperature 1	Temperature 1
	Bit 02: Temperature 2	Temperature 2
	Bit 03: Leakage 1	Leakage 1
	Bit 04: Switching input	Switching input
	Bit 05: Analog input	Analog input
	Bit 06: Phase sequence	Phase sequence
	Bit 07: Phase failure	Phase failure
	Bit 08: Asymmetry	Asymmetry
	Bit 09: Undervoltage	Undervoltage
	Bit 10: Overvoltage	Overvoltage
	Bit 11: switching frequency	-
Selection alarms 2	Bit 00: self-monitoring	self-monitoring
Select warnings	Bit 00: Engine temperature	-
	Bit 01: Temperature 1	-
	Bit 02: Temperature 2	-
	Bit 03: Leakage 1	-
	Bit 04: Asymmetry	-
	Bit 05: Undervoltage	-
	Bit 06: Overvoltage	-
	Bit 07: Analog input	-
	Bit 08: switching frequency	-
	Bit 09: Relay bypass	-

## INT69 YF Diagnose Extended

Parameter	Range	Default	Unit
	Bit 10: Service interval	-	
<b>Relay 2</b>			
Selection of alarms 1	Bit 00: Engine temperature	-	
	Bit 01: Temperature 1	-	
	Bit 02: Temperature 2	-	
	Bit 03: Leakage 1	-	
	Bit 04: Switching input	-	
	Bit 05: Analog input	-	
	Bit 06: Phase sequence	-	
	Bit 07: Phase failure	-	
	Bit 08: Asymmetry	-	
	Bit 09: Undervoltage	-	
	Bit 10: Overvoltage	-	
	Bit 11: switching frequency	-	
Selection alarms 2	Bit 00: self-monitoring	self-monitoring	
Select warnings	Bit 00: Engine temperature	Engine temperature	
	Bit 01: Temperature 1	Temperature 1	
	Bit 02: Temperature 2	Temperature 2	
	Bit 03: Leakage 1	Leakage 1	
	Bit 04: Asymmetry	Asymmetry	
	Bit 05: Undervoltage	Undervoltage	
	Bit 06: Overvoltage	Overvoltage	
	Bit 07: Analog input	Analog input	
	Bit 08: switching frequency	switching frequency	
	Bit 09: Relay bypass	Relay bypass	
	Bit 10: Service interval	-	

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