DS2603

Evaluation unit for slip and synchronous monitoring

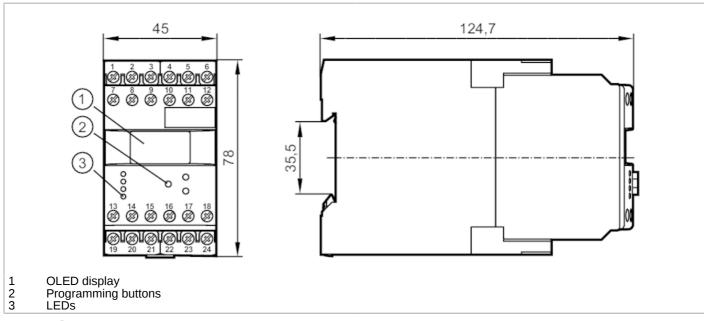




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Alternative articles: DS2503

When selecting an alternative article and accessories please note that technical data may differ!





Product characteristics			
Housing		housing for DIN rail mounting	
Dimensions	[mm]	78 x 45 x 124.7	
Application			
Application		pulse evaluation system with μprocessor for slip/synchronous monitoring as well as frequency and rotational speed	
Electrical data			
Nominal voltage AC	[V]	110240	
Nominal voltage DC	[V]	27	
Nominal voltage tolerance	[%]	< 10	
Nominal voltage tolerance 2	[%]	2010	
Nominal frequency AC	[Hz]	5060	
Power consumption	[W]	3	
Auxiliary energy for sensors DC	[V]	8.2	
Inputs / outputs			
Number of inputs and outputs	6	Number of relay outputs: 2	
Outputs			
Number of relay outputs		2	
Contact rating		6 A (250 V AC); B300, R300	
Measuring/setting range			
Setting range Hz	[Hz]	0.11000	

DS2603

Evaluation unit for slip and synchronous monitoring



MONITOR/FS-1N/110-240VAC/DC

Setting range	[Imp/min]		160000
Operating condit	ions		
Ambient temperate	ure [°C]		-4060
Storage temperatu	ıre [°C]		-4085
Max. relative air h	umidity [%]		80; (40 °C: 50 %)
Protection			IP 50
Protection rating to	erminals		IP 20
Tests / approvals			
EMC		EN 61010	2011
		EMV 89/336/EWG	
		EN 61000-6-2	2005
		EN 61000-6-4	2007
Mechanical data			
Weight	[g]		386
Housing			housing for DIN rail mounting
Dimensions	[mm]		78 x 45 x 124.7
Material			plastics
Displays / operat	ing elements		
Display			OLED display, 128 x 64 pixels luminous
		Switching status	LED, green
Remarks			
Remarks			overvoltage category II; pollution degree 2
Remarks Electrical connec	ction		overvoltage category II; pollution degree 2
		n²; AWG 14	overvoltage category II; pollution degree 2
Electrical connection dual-chamber term	ninals: 2 x2.5 mm	e (L-)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber term	ninals: 2 x2.5 mm DC Supply voltage DC Supply voltage	e (L-) e (L+)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3	DC Supply voltage DC Supply voltage DC Supply voltage Supply transistor	e (L-) e (L+)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber term	ninals: 2 x2.5 mm DC Supply voltage DC Supply voltage	e (L-) e (L+) outputs (L+)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6	DC Supply voltage DC Supply voltage Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7	DC Supply voltage DC Supply voltage Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8	DC Supply voltage DC Supply voltage Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8 9	DC Supply voltage DC Supply voltage Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage not used	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8	DC Supply voltage DC Supply voltage Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8 9 10 11 12	DC Supply voltage DC Supply transistor of error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage not used error output 2 8.2 V DC Sensor	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8 9 10 11 12 13	DC Supply voltage DC Supply voltage Supply transistor of error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage not used error output 2 8.2 V DC Sensor 8.2 V DC Sensor Relay 1 common	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+)	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8 9 10 11 12 13 14	DC Supply voltage DC Supply voltage Supply transistor of error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage AC Supply voltage not used error output 2 8.2 V DC Sensor 8.2 V DC Sensor 8.2 V DC Sensor Relay 1 common Relay 1 normally	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	DC Supply voltage DC Supply voltage Supply transistor of error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage AC Supply voltage not used error output 2 8.2 V DC Sensor 8.2 V DC Sensor 8.2 V DC Sensor Relay 1 common Relay 1 normally of Relay 1 normally	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8 9 10 11 12 13 14	DC Supply voltage DC Supply voltage Supply transistor of error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage AC Supply voltage not used error output 2 8.2 V DC Sensor 8.2 V DC Sensor 8.2 V DC Sensor Relay 1 common Relay 1 normally	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed	overvoltage category II; pollution degree 2
Electrical connection dual-chamber terms 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	DC Supply voltage DC Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage not used error output 2 8.2 V DC Sensor 8.2 V DC Sensor Relay 1 common Relay 1 normally transistor output 1 Reset 1 pnp Reset 2 pnp	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed	overvoltage category II; pollution degree 2
Electrical connection dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	DC Supply voltage DC Supply transistor error output 1 8.2 V DC Sensor AC Supply voltage not used error output 2 8.2 V DC Sensor Relay 1 common Relay 1 normally Relay 1 normally transistor output 1 Reset 1 pnp Reset 2 pnp Relay 2 common	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed L pnp	overvoltage category II; pollution degree 2
Electrical connection dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	DC Supply voltage DC Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage ac Supply voltag	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed L pnp	overvoltage category II; pollution degree 2
Electrical connection dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	DC Supply voltage DC Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage act of Sup	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed L pnp	overvoltage category II; pollution degree 2
Electrical connection dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	DC Supply voltage DC Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage ac Supply voltag	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed L pnp	overvoltage category II; pollution degree 2
Electrical connection dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	DC Supply voltage DC Supply transistor error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC Supply voltage AC Supply voltage AC Supply voltage not used error output 2 8.2 V DC Sensor Relay 1 common Relay 1 normally erransistor output 1 Reset 1 pnp Reset 2 pnp Relay 2 common Relay 2 normally erelay 2 normally 2 nor	e (L-) e (L+) outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed L pnp open closed	overvoltage category II; pollution degree 2