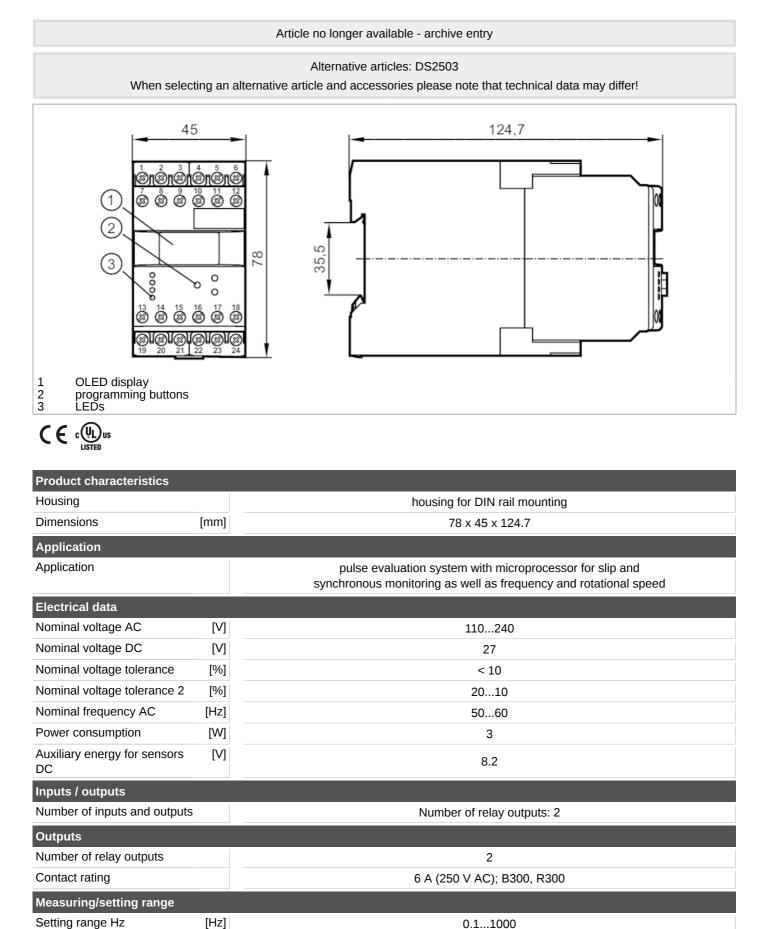
## DS2603

## Evaluation unit for slip and synchronous monitoring



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



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## 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			80; (40 °C: 50 %)	
Protection	, L J		IP 50	
Protection rating te	arminals		IP 20	
_			IF 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	
Materials			plastics	
Displays / operat	ing elements			
Displays	ing elements		OLED display, 129 x 64 pixels luminous	
Display		switching status	OLED display, 128 x 64 pixels luminous LED, green	
Demender		Switching Status		
Remarks				
Demerles			lice with a completence actoriany lly nellytice degree 2	
Remarks	,.	The unit comp	lies with overvoltage category II; pollution degree 2	
Electrical connec			lies with overvoltage category II; pollution degree 2	
Electrical connecture dual-chamber term	iinals: 2 x2.5 mm	n²; AWG 14	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1	iinals: 2 x2.5 mm DC supply voltage	n²; AWG 14 e (L-)	lies with overvoltage category II; pollution degree 2	
Electrical connecture dual-chamber term	iinals: 2 x2.5 mn DC supply voltag DC supply voltag	n²; AWG 14 e (L-) e (L+)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2	inals: 2 x2.5 mm DC supply voltage DC supply voltage current supply tra error output 1	n²; AWG 14 e (L-) e (L+) nsistor outputs (L+)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5	DC supply voltage DC supply voltage DC supply voltage current supply tra error output 1 8.2 V DC Sensor	n <sup>2</sup> ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6	DC supply voltage DC supply voltage DC supply voltage current supply tra error output 1 8.2 V DC Sensor 8.2 V DC Sensor	n <sup>2</sup> ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7	DC supply voltage DC supply voltage DC supply voltage current supply tra error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC supply voltage	n <sup>2</sup> ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6	DC supply voltage DC supply voltage DC supply voltage current supply tra error output 1 8.2 V DC Sensor 8.2 V DC Sensor	n <sup>2</sup> ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7 8 9 10	DC supply voltage DC supply voltage DC supply voltage current supply tra error output 1 8.2 V DC Sensor 8.2 V DC Sensor AC supply voltage AC supply voltage not used error output 2	$n^{2}$ ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7 8 9 10 11	DC supply voltage DC supply voltage DC supply voltage current supply tra 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	$n^{2}$ ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12	inals: 2 x2.5 mm DC supply voltage DC supply voltage current supply tra 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 8.2 V DC Sensor	$n^{2}$ ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13	inals: 2 x2.5 mm DC supply voltage DC supply voltage current supply tra 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 8.2 V DC Sensor 8.2 V DC Sensor relay 1 common	$h^{2}$ ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+)	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14	inals: 2 x2.5 mm DC supply voltage DC supply voltage current supply tra 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 8.2 V DC Sensor relay 1 common relay 1 normally 0	$h^{2}$ ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	inals: 2 x2.5 mm DC supply voltage DC supply voltage current supply tra 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 8.2 V DC Sensor relay 1 common relay 1 normally o transistor output 2	$h^{2}$ ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	DC supply voltage DC supply voltage Current supply tra 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 8.2 V DC Sensor relay 1 common relay 1 normally of transistor output 2 reset 1 pnp	$h^{2}$ ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed	lies with overvoltage category II; pollution degree 2	
Electrical connect 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 voltage Current supply tra 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 8.2 V DC Sensor relay 1 common relay 1 normally of transistor output 2 reset 1 pnp reset 2 pnp	$h^{2}$ ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed	lies with overvoltage category II; pollution degree 2	
Electrical connect dual-chamber term 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	DC supply voltage DC supply voltage Current supply tra 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 8.2 V DC Sensor 8.2 V DC Sensor relay 1 common relay 1 normally of transistor output 2 reset 1 pnp reset 2 pnp relay 2 common	n <sup>2</sup> ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) ppen closed L pnp	lies with overvoltage category II; pollution degree 2	
Electrical connect 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 voltage Current supply tra 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 8.2 V DC Sensor relay 1 common relay 1 normally of transistor output 2 reset 1 pnp reset 2 pnp	n <sup>2</sup> ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (L) e (N) supply 2 (L-) supply 2 (L+) ppen closed L pnp	lies with overvoltage category II; pollution degree 2	
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Electrical connect 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 voltage Current supply tra 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 8.2 V DC Sensor 8.2 V DC Sensor relay 1 common relay 1 normally of transistor output 2 reset 1 pnp reset 2 pnp relay 2 common relay 2 normally of relay 2 normally of relay 2 normally of	h <sup>2</sup> ; AWG 14 e (L-) e (L+) nsistor outputs (L+) supply 1 (L-) supply 1 (L+) e (L) e (N) supply 2 (L-) supply 2 (L+) open closed L pnp	lies with overvoltage category II; pollution degree 2	