

MS 3400 (X)-160, MS 4400-160 (X) Module Specifications

Inputs

Memosens	Interface for Memosens	
	Power supply	U _o = 3.05 ... 3.15 V / R _i < 5 Ω / I ≥ 6 mA Ex ia IIC T4 U _{max} = 5.1 V I _{max} = 130 mA P _{max} = 166 mW
	Interface	RS 485
	Transfer rate	9,600 Bd
	Cable length	Max. 100 m
Current input	Current input 0/4 ... 20 mA/100 Ω e.g., for external pressure signal	
	Start / end of scale	Can be configured within range
	Characteristic	Linear
	Measurement error	< 1% current value + 0.1 mA (± 1 count, plus sensor error)
Power supply (KBUS)	6.8 ... 8.0 V / 20 mA	
Explosion protection	See Ex Certificates and EU Declaration of Conformity or www.knick.de	
RoHS conformity	According to EU directive 2011/65/EU	
EMC	NAMUR NE 21 and EN 61326-1, EN 61326-2-3	
	Emitted interference	Industrial applications ¹⁾ (EN 55011 Group 1 Class A)
	Immunity to interference	Industrial applications
	Lightning protection	According to EN 61000-4-5 Installation class 2
Rated operating conditions	Ambient temperature:	Safe area: -20 ... 55 °C / -4 ... 131 °F Ex: -20 ... 50 °C / -4 ... 122 °F
	Relative humidity:	5 ... 95 %
	Climatic class	3K5 according to EN 60721-3-3
	Location class	C1 according to EN 60654-1
	Transport / storage temperature	-20 ... 70 °C / -4 ... 158 °F
Housing	Module enclosure	PC/ABS blend
	Color	Black
	Degree of protection	IP 20
	Dimensions (mm)	W x L x H 118 x 91 x 21
	Screw clamp connector	Single or stranded wires up to 2.5 mm ²

¹⁾ At rated operating conditions

²⁾ This equipment is not designed for domestic use, and is unable to guarantee adequate protection of the radio reception in such environments.

Protos 3400 (X) / Protos II 4400 (X)

MS 3400 (X)-160 / MS 4400-160 (X) Module Terminal Assignments

