

KUHSE Netzwerk Gateway KNG



Version to 6/2011


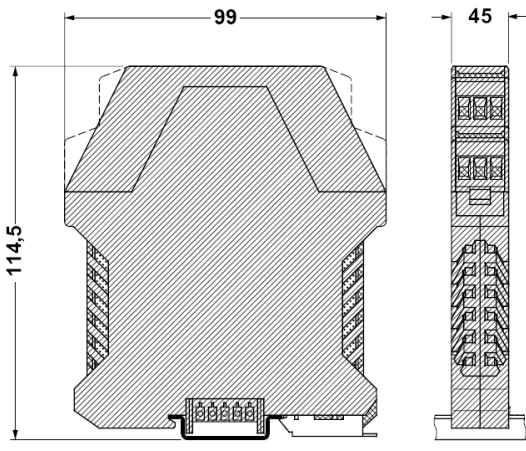


Version from 7/2011



Description	Article number																				
Module to add different interfaces to KUHSE electronics: Network, KUHSE-OFC, EIA/RS-232, Profibus DP (Slave), KUHSE CAN	2KNGxxxxxx (software-dependent)																				
Properties	Technical data																				
<ul style="list-style-type: none"> DSL gateway for TeleControl slave station (DSL access and router required) Communication gateway for virtual power plant Profibus DP slave interface for VCM Profibus DP slave interface for KEA Network interface (SNMP) for KEA Parametrisation interface for VCM (OFC/network) Configuration via web interface (browser) Stability and emitted interference checked in accordance with EN 61326 	<table border="1"> <thead> <tr> <th>Supply</th> <th>Min</th> <th>Type</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>Voltage</td> <td>12</td> <td>24</td> <td>32</td> <td>V DC</td> </tr> <tr> <td>Current consumption at 24V</td> <td>80</td> <td>100</td> <td>120</td> <td>mA</td> </tr> <tr> <td>Current consumption at 12V</td> <td>160</td> <td>200</td> <td>240</td> <td>mA</td> </tr> </tbody> </table>	Supply	Min	Type	Max		Voltage	12	24	32	V DC	Current consumption at 24V	80	100	120	mA	Current consumption at 12V	160	200	240	mA
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Flammability and safety class	Interfaces and connections																				
Safety class in accordance with EN 60529	IP 20	Network (RJ-45), KUHSE OFC , EIA/RS-232 (RJ-45),																			
Flammability class in accordance with UL 94 (housing)	V0	Profibus/MPI (3-pin.), CAN (3/5-pin via TBUS)																			
		Power supply (2-pin), earth (PE)																			

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Top plug connections			Bottom plug connections (CAN)			
Pin	Signal	Meaning	Pin	Signal	Meaning	
+	+U _B	supply 12 – 32V	1	-	Ground (internal supply)	
-	GND	Ground	2	+	+5V supply (optional)	
	N.C.		3	CAN-L	CAN low	
PE	Earth	Discharge	4	CAN-H	CAN high	
			5	Screen	CAN bus screening	
						
Reset button			Status LEDs			
If the KNG is in an unclear operating status, it can be restarted using the reset button.			Colour	Signal	Status	Meaning
Assembly			Green	Operating	on	Power supply OK
Mounting	Rail supports in accordance with EN 60715		Red	Reset	flashing/on	System reset
Installation position	Any, in control cabinet		Yellow	COM A	flashing/on	Boot loader; Status communication
Permitted cable length for interfaces	< 30m (RS-232: <15m)		Yellow	COM B	flashing/on	Status: Profibus/MPI
Configuring RS232			Installation dimensions			
1	n.c.					
2	DCD					
3	DTR					
4	GND					
5	RxD					
6	TxD					
7	CTS internally connected with RTS					
8	RTS internally connected with CTS					
Configuring RS485						
1	B					
2	A					
3	Screen					
Pin 1 is on top						