

# ABB i-bus® KNX

## Energy Management

■ = Function is supported

– = Function is not supported

1) = In combination with ABB Energy Meter A and B series

2) = See also Electricity Meters Overview

	Energy Module EM/S 3.16.1	Energy Actuator SE/S 3.16.1	Meter Interface Module ZS/S 1.1 <sup>1)</sup>
<b>General</b>			
Supply voltage	KNX	KNX	KNX
Type of installation	MDRC	MDRC	MDRC
Module width (18 mm)	4	4	2
Number of channels	3	3	–
Rated current I <sub>n</sub>	16/20 A	16/20 A AX (C-Load)	–
Measuring range Current	0.025...20 A	0.025...20 A	Depending on meter connected <sup>2)</sup>
Measuring range Voltage	95...265 V	95...265 V	Depending on meter connected <sup>2)</sup>
Measuring range Frequency	45...65 Hz	45...65 Hz	50/60 Hz ± 5 %
<b>Measurement values</b>			
E – Active energy [kWh]	■	■	■
U – Voltage [V]	■	■	■
I – Current [A]	■	■	■
F – Frequency [Hz]	■	■	■
P – Active power [W]	■	■	■
Q – Reactive power [var]	–	–	■
S – Apparent power [VA]	■	■	■
PF – Power factor	■	■	■
CF – Crest factor	■	■	–
<b>General functions</b>			
Function Switch	–	■	–
Function Time	–	■	–
Function Scene	–	■	–
Function Logic	–	■	–
Function Priority	–	■	–
Load control with Energy Actuators as Master (up to ten SE/S 3.16.1 as slaves)	■	■	–
Load control as Slave	–	■	–
Sending delay (for value request)	–	–	■
<b>Commissioning and diagnostic function</b>			
Control and diagnosis via ABB i-bus® Tool	■	■	–