Product data sheet
Characteristics

A9MEM1561
energy sensor, PowerTag phaseNeutral 63A 1P+N top position



Main

Range	PowerLogic
Product name	PowerTag A9 P63
Product or component type	Energy sensor
Poles description	1P + N
Max current	63 A
[Ib] Basic current	10 A
Starting current	40 MA
Saturation current	130 A
Product specific application	Overload alarm Cost allocation Load monitoring Circuit monitoring Energy management
Concentrator compatibility	EcoStruxure Panel Server Entry EcoStruxure Panel Server Universal EcoStruxure Panel Server Advanced Wiser hub generation 2 Acti9 Smartlink SI B Acti9 Smartlink SI D Acti9 PowerTag Link Acti9 PowerTag Link HD
Market segment	Buildings: breaker voltage monitoring Buildings: cost allocation Buildings: overload alarm
Range compatibility	DuoLine DuoLine ID'clic XP Acti9 Acti9 DT40 Vigi Acti9 Acti9 DT40 Acti9 Acti9 iC40 Multi9 Multi9 N40 Vigi Acti9 Acti9 iDPN (China version) Easy9 Easy9 RCBO Acti9 Acti9 iCV40 Easy9 Easy9 MCB DuoLine DuoLine D'clic Vigi Multi9 Multi9 N40 Acti9 Acti9 IDc Acti9 Acti9 C40 Acti9 Acti9 iDPN Vigi Acti9 Acti9 ITG40 Acti9 Acti9 iDPN DuoLine DuoLine D'clic XP Acti9 Acti9 C40 Vigi Acti9 Acti9 ID C40 Acti9 iCVm40 Acti9 iCVr40 Acti9 iDDm40

Type of measurement	Voltage Active energy Current Active power Power factor
Accuracy class	Class 1 current conforming to IEC 61557-12 Class 0.5 voltage conforming to IEC 61557-12 Class 1 active power conforming to IEC 61557-12 Class 1 active energy conforming to IEC 61557-12 Class 1 power factor conforming to IEC 61557-12
Mounting location	Top
Mounting support	On circuit breaker
Connection pitch	9 Mm Ph/N
Product destination	Switchboard
Event management	Voltage loss with measured current at voltage loss
Transmission support medium	Radio frequency 2.4…2.4835 GHz conforming to IEEE 802.15.4
Emission power	10 MW

Complementary

Form factor	PhaseNeutral
Mounting mode	By screws (terminals)
Electrical connection	Connector tooth
Cable cross section	1 rigid cable 1.5…16 mm² 2 stranded cable 1.5…2.5 mm² 2 rigid cable 1.5…2.5 mm² 1 stranded cable 1.5…16 mm²
[Ue] rated operational voltage	200...240 V AC, +/- 20 %
Network frequency	50 Hz 60 Hz
Power consumption in VA	1 VA
Standards	IEC 61557-12 IEC 61010-1 IEC 61010-2-030 IEC 61326-1 ETSI EN 300 328 ETSI EN 301 489-1
Product certifications	IEC[RETURN]DNV Marine
Height	Sensor element: 20 mm Base unit: 8 mm
Width	Sensor element: 18 mm Base unit: 18 mm
Depth	Sensor element: 44.5 mm Base unit: 28 mm
Net weight	18 G
Colour	White (RAL 9003)
Compatibility code	PowerTag A9 P63

Environment

Quality labels	CE
Directives	2014/53/EU - radio equipment directive
Operating altitude	0...2000 m
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…85 °C
Overvoltage category	III conforming to IEC 61010-1
Measurement category	Category III conforming to IEC 61010-2-030
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK05
Pollution degree	3
Relative humidity	0…95 % at 45 °C conforming to IEC 60721-3-3
Vibration resistance	3M4 conforming to IEC 60721-3-3

Electromagnetic compatibility	Industrial electromagnetic environment conforming to IEC 61326-1 Radiated EMC conforming to ETSI EN 301 489-17 Electromagnetic emission conforming to IEC 62311
Environmental characteristic	Dustproof class 3S3 conforming to IEC 60721-3-3 Salt mist class 3C2 conforming to IEC 60721-3-3 Indoor use

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.100 Cm
Package 1 Width	6.000 Cm
Package 1 Length	8.500 Cm
Package 1 Weight	46.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	48
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	2.536 Kg

Offer Sustainability

Recyclability potential, in %	25
Total lifecycle Carbon footprint	53 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.8496857142857143
Carbon footprint of the manufacturing phase [A1 to A3]	0.8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.005935051428571429
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0009069885714285714
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	51.72
Carbon footprint of the use phase [B2, B3, B4, B6]	52 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.01983848571428571
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	53
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	Bf96a3a8-9779-4a39-8db8-e8183750b4e2
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised