The Chartered Institution of Building Services Engineers
Product Data Template

Template Category	Controller			
Template Version	a			
Category Description	Saia PCD® modular programmable controllers			
Classification System				
Classification	CPU base units with on-board I/O and for up to 8 plug-in I/O modules			
Suitability for Use	Provisional			
Template Custodian	BCIA			

Information Category	Parameter Name	Value	Units	Notes
Manufacturer Data				
Specifications	Manufacturer	Saia-Burgess Controls AG	Text	
Specifications	Manufacturer Website	http://www.saia-pcd.com	URL	
Specifications	Product Range	Saia PCD2 modular programmable controllers	Text	
Specifications	Product Model Number	PCD2.M5540	Text	Or Code
Specifications	CE Approval	Yes	Text	Number, Yes, No
Specifications	Product Literature	http://www.sbc-support.com	URL	
Specifications	Features	PCD2 processor unit with Ethernet TCP/IP, web and FTP server, file system, CPU with 1 MByte user program (RAM), 1x Ethernet TCP/IP (2x RJ45 switch), USB port for PG5, up to 1024 I/O, expandable with PCD2.Cxx0 or PCD3.Cxx0, 8 I/O module sockets, on-board I/O: 6 interrupt inputs, 2 outputs (PWM), clock (RTC), data protection 1-3 years, RS-232, RS-485 (115 kbits/s), Profi-S-Net/MPI, 3 sockets A1/A2/C for communication modules	Text	Free text to describe product
Construction Data				
Specifications	Type	Plastic encased electronic device	Text	This is a COBie field, other fields will be required in final PDTs
Specifications	Mounting	2x35 mm DIN hat rail	Text	This is a COBie field, other fields will be required in final PDTs
Specifications	Shape	Rectangle	Text	This is a COBie field, other fields will be required in final PDTs
Specifications	Material	Plastic	Text	This is a COBie field, other fields will be required in final PDTs
Specifications	Colour	Transparent/Blue	Text	This is a COBie field, other fields will be required in final PDTs
Specifications	Finish	Matt	Text	This is a COBie field, other fields will be required in final PDTs
Specifications	Enclosure Rating		Text	IP rating
Application				
Specifications	Reference Standard	UL, BV, DNV, GL, LR, EAC	Text	
Specifications	Certifications	CE	Text	
Dimensional Data				
Specifications	Overall Depth	70.00	mm	Or Diameter. Minimum and maximum lengths available
Specifications	Overall Width	254.00	mm	Minimum and maximum widths available
Specifications	Overall Height	208.00	mm	Minimum and maximum heights available
Specifications	Gross Weight	1.46	kg	Equates to Operating Weight
Specifications	Shipping Weight		kg	Equates to dry weight of unit plus packaging allowance
Specifications	Access Clearance Top	20.00	mm	Access required for maintenance of this item
Specifications	Access Clearance Bottom	20.00	mm	Access required for maintenance of this item
Specifications	Access Clearance Left	0.00	mm	Access required for maintenance of this item
Specifications	Access Clearance Right	0.00	mm	Access required for maintenance of this item
Specifications	Access Clearance Front	20.00	mm	Access required for maintenance of this item
Specifications	Access Clearance Rear	0.00	mm	Access required for maintenance of this item
Performance Data				
Specifications	Ambient Storage Limits Temperature	–40…+70 °C	Degrees C	
Specifications	Ambient Operation Limits Temperature	+0…+55 °C	Degrees C	
Specifications	Ambient Operating Limits Humidity		Percentage	
Specifications	Altitude		sea level	
Electrical Data (if required)				
Specifications	Supply voltage	24 VDC -20%/+25%	Volts	
Specifications	Current consumption		A	
Specifications	Power consumption	typ. 15 W	W	
Controls				
Specifications	On-Board I/Os	0	Number	
Specifications	Max. I/Os	1023	Number	
Specifications	Max. Interfaces	15	Number	
Sustainability				
Sustainable Material BREEAM etc	Embodied Carbon		kgCO2	AWAITING INDUSTRY STANDARD
Sustainable Material BREEAM etc	Life Cycle Analysis		Number	AWAITING INDUSTRY STANDARD
Sustainable Material BREEAM etc	Location of Manufacturer	46° 55' 31.28" North, 7° 6' 51.53" East	GridRef	AWAITING INDUSTRY STANDARD
Sustainable Material BREEAM etc	Green Guide for Specification		Text	AWAITING INDUSTRY STANDARD
Sustainable Material BREEAM etc	Environmental Product Declaration		Text	3rd Party Verification or Self Verification with URL to document
Sustainable Material BREEAM etc	Responsible Sourcing of Materials		Text	AWAITING INDUSTRY STANDARD
Sustainable Material ETL	Energy Technology List		URL	Hyperlink to ETL webpage for product or N/A
Sustainable Material LEED v.4	Responsible Extraction of Materials		Text	AWAITING INDUSTRY STANDARD
Sustainable Material LEED v.4	Material Ingredient Reporting		Text	AWAITING INDUSTRY STANDARD
Sustainable Material BREEAM etc	RoHS compliant		Y/N	
Sustainable Material BREEAM etc	WEE compliant		Y/N	
Operations & Maintenance				
Facilities/Asset Management	O&M Manual	https://www.sbc-support.com	URL	Hyperlink to Manufacturer O&M Data
Facilities/Asset Management	Daily	n/a	Text	Maintenance tasks or SFG2012 codes
Facilities/Asset Management	Weekly	n/a	Text	Maintenance tasks or SFG2012 codes
Facilities/Asset Management	Monthly	n/a	Text	Maintenance tasks or SFG2012 codes
Facilities/Asset Management	Quarterly	n/a	Text	Maintenance tasks or SFG2012 codes
Facilities/Asset Management	6 Monthly	n/a	Text	Maintenance tasks or SFG2012 codes
Facilities/Asset Management	Annually	n/a	Text	Maintenance tasks or SFG2012 codes
Facilities/Asset Management	Bespoke Timeframe	n/a	Text	Maintenance tasks or SFG2012 codes
Facilities/Asset Management	Maintenance Required 0-300hrs	n/a	Text	Maintenance tasks required during this time frame
Facilities/Asset Management	Maintenance Required 301-600hrs	n/a	Text	Maintenance tasks required during this time frame
Facilities/Asset Management	Maintenance Required 601-1000hrs	n/a	Text	Maintenance tasks required during this time frame
Facilities/Asset Management	Maintenance Required 1001-2000hrs	n/a	Text	Maintenance tasks required during this time frame
Facilities/Asset Management	Maintenance Required 2001-4000hrs	n/a	Text	Maintenance tasks required during this time frame
Facilities/Asset Management	Maintenance Required 40001-8000hrs	n/a	Text	Maintenance tasks required during this time frame
Facilities/Asset Management	Maintenance Required 8001-12000hrs	n/a	Text	Maintenance tasks required during this time frame
Facilities/Asset Management	Expected Life		Years	
Facilities/Asset Management	Warranty ID	2 Year from invoice date, max. 30 month from date code.	Text	

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