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|--------------------------------------|---|---|------------|--|
| Template Category | Controller | | | |
| Template Version | a | | | |
| Category Description | Saia PCD® modular programmable controllers | | | |
| Classification System | | | | |
| Classification | E-Line combined input/output module manual override operating level for all outputs | | | |
| 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 PCD® E-Line input/output modules | Text | |
| Specifications | Product Model Number | PCD1.G5000-A20 | Text | Or Code |
| Specifications | CE Approval | Yes | Text | Number, Yes, No |
| Specifications | Product Literature | http://www.sbc-support.com | URL | |
| Specifications | Features | E-Line combined input/output module manual override operating level for all outputs status LED for inputs and outputs supply 24 VDC 16 digital inputs 24 VDC (source operation) 4 relay normally open 230 VAC / 30 VDC, 4 A (resistive load) 4 relay changeover 230 VAC / 30 VDC, 4 A (resistive load) 8 analogue inputs 12 bits, 0...10 V, Pt/Ni 1000, Ni 1000 L&S, NTC, 0...2500 Ohm, 0...7500 Ohm, 0...300 kOhm 4 analogue outputs 12 bits, 0...10 V (10 mA max.) 1 interface RS-485 (S-Bus) | 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 | 35 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 | White/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 | requested | Text | |
| Specifications | Certifications | CE | Text | |
| Dimensional Data | | | | |
| Specifications | Overall Depth | 62.00 | mm | Or Diameter. Minimum and maximum lengths available |
| Specifications | Overall Width | 105.00 | mm | Minimum and maximum widths available |
| Specifications | Overall Height | 110.00 | mm | Minimum and maximum heights available |
| Specifications | Gross Weight | 0.33 | 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 -15%/+20% | Volts | |
| Specifications | Current consumption | | A | |
| Specifications | Power consumption | typ. 3 W | W | |
| Controls | | | | |
| Specifications | On-Board I/Os | | Number | |
| Specifications | Max. I/Os | | Number | |
| Specifications | Max. Interfaces | | 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 4001-8000hrs | 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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