



**Power supply**

AC voltage . . . . . AC 24 V  
 Tolerance . . . . . +15 %, -20 %  
 Nominal frequency range . 50 to 60 Hz  
 Tolerance . . . . . ± 2 Hz  
 Power consumption . . . . . < 3 VA

Operating conditions  
 as per IEC 654-2 . . . . . The device can be operated  
 on a class a.c.4 or d.c.4  
 power supply

DC voltage . . . . . DC 24 V  
 Tolerance . . . . . +30 %, -25 %  
 Residual ripple . . . . . < 15% within the tolerance  
 range  
 Power consumption . . . . . < 3 W  
 Start up current . . . . . < 15 x I<sub>nom</sub>

*For complete specification, refer to Product Specification  
 Sheet PSS EIO221A-(en)*

**Model Codes**

|   |               |  |  |  |  |  |  |  |     |
|---|---------------|--|--|--|--|--|--|--|-----|
| <b>Alarm Unit with Indicator</b>  | <b>GAE953</b> |  |  |  |  |  |  |  |     |
| <b>Version</b>  |               |  |  |  |  |  |  |  |     |
| Nest-Mounted Module with relay for line break detection<br>for signal range 4-20 mA, 1-5 V, 0.2-1 V |               |  |  |  |  |  |  |  | -M  |
| <b>Input</b>  |               |  |  |  |  |  |  |  |     |
| 0 to 20 mA  |               |  |  |  |  |  |  |  | 1   |
| 4 to 20 mA  |               |  |  |  |  |  |  |  | 2   |
| 0 to 10 V   |               |  |  |  |  |  |  |  | 3   |
| 1 to 5 V  |               |  |  |  |  |  |  |  | 4   |
| 0 to 1 V  |               |  |  |  |  |  |  |  | 5   |
| 0.2 to 1 V  |               |  |  |  |  |  |  |  | 6   |
| <b>Number of Input Signals</b>  |               |  |  |  |  |  |  |  |     |
| 1 Input   |               |  |  |  |  |  |  |  | 1   |
| 2 Inputs  |               |  |  |  |  |  |  |  | 2   |
| Differential input E2-E1  |               |  |  |  |  |  |  |  | 3   |
| <b>Relay function (for all outputs)</b>   |               |  |  |  |  |  |  |  |     |
| Normally closed (Circuit opens on alarm)  |               |  |  |  |  |  |  |  | A   |
| Normally open (Circuit closes on alarm)   |               |  |  |  |  |  |  |  | B   |
| <b>Alarm Configurations</b>   |               |  |  |  |  |  |  |  |     |
| Alarm G1 low / G2 high  |               |  |  |  |  |  |  |  | 1   |
| Alarm G1 low / G2 low   |               |  |  |  |  |  |  |  | 2   |
| Alarm G1 high/ G2 high  |               |  |  |  |  |  |  |  | 3   |
| Alarm G1 high/ G2 low   |               |  |  |  |  |  |  |  | 4   |
| <b>Electrical Classification</b>  |               |  |  |  |  |  |  |  |     |
| No Certification/approval   |               |  |  |  |  |  |  |  | ZZZ |
| <b>Options</b>  |               |  |  |  |  |  |  |  |     |
| Accessory Connector with: Solder connections  |               |  |  |  |  |  |  |  | -1  |
| Accessory Connector with: Wire wrap connections   |               |  |  |  |  |  |  |  | -2  |
| Accessory Connector with: Screw terminals   |               |  |  |  |  |  |  |  | -3  |
| Accessory Connector with: Crimping connections  |               |  |  |  |  |  |  |  | -4  |
| Accessory Connector with: Au clip pin 0.8 x 1.6 connection  |               |  |  |  |  |  |  |  | -5  |
| Accessory Connector with: Sn clip pin 0.8 x 1.6 connection  |               |  |  |  |  |  |  |  | -6  |
| Accessory Connector with: Au clip pin 0.8 x 2.4 connection  |               |  |  |  |  |  |  |  | -7  |
| Accessory Connector with: Sn clip pin 0.8 x 2.4 connection  |               |  |  |  |  |  |  |  | -8  |
| Accessory Connector with: Flat push on connections 2.8 x 0.8  |               |  |  |  |  |  |  |  | -9  |
| Name plate Inscription (a)  |               |  |  |  |  |  |  |  | -N  |
| Hysteresis 2 % (standard 1 %)   |               |  |  |  |  |  |  |  | -K  |
| Hysteresis 5 % (standard 1 %)   |               |  |  |  |  |  |  |  | -R  |
| Hysteresis 10 % (standard 1 %)  |               |  |  |  |  |  |  |  | -S  |
| <b>Footnotes</b>  |               |  |  |  |  |  |  |  |     |
| (a) Specify Inscription (within limits stated in specification sheet)                               |               |  |  |  |  |  |  |  |     |