DOWNLOADED FROM WWW.SCATTS.CO.UK

Model number

VAA-2E1A-PM-S

AS-Interface EMERGENCY STOP button

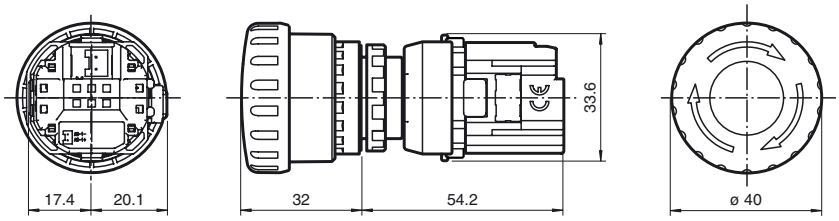
Features

- 2-channel, compelled connected
- Overload-protected in accordance with IEC 60947-5-5
- Integrated illumination in the actuator
- TÜV-approval for system components is available
- Biased actuator for self-monitoring
- EMERGENCY STOP unlocking by turning or pulling

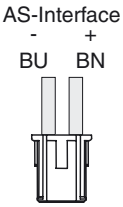
Function

This AS-Interface emergency shutoff button is a two-channel, positively driven contact, allowing the operation of personnel protection systems when used according to specification along with an AS-Interface safety monitor. It occupies one complete address in the AS-Interface strand.
When the safety monitor is properly configured, up to EN 954-1 Category 4 and IEC 61508 SIL 3 can be achieved.
For mounting, this AS-Interface emergency shutoff button can be screwed into the front plate of the machine or the switch panel. The button can be illuminated in red.
A designation plate and suitable connection cable are included in the scope of delivery.

Dimensions



Electrical connection



Technical data

General specifications		
Slave type		Safety-Slave
AS-Interface specification		V2.1
Required master specification		≥ V2.0
UL File Number		E198304
Functional safety related parameters		
$MTTF_d$		200 a
B_{10d}		1 E+5
Electrical specifications		
Rated operating voltage	U_e	26.5 ... 31.6 V from AS-Interface
Rated operating current	I_e	≤ 40 mA
Protection class		III
Insulation resistance		≥ 100 MΩ
Input		
Number/Type		2 NC Safety function by positive opening in accordance with IEC/EN 60947-5-1 Reset by pulling
Supply		from AS-Interface
Output		
Number/Type		LED red
Supply		from AS-Interface
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 62026-2:2013
Standard conformity		
Electromagnetic compatibility		EN 62026-2:2013
Degree of protection		EN 60529:2000
Electrical safety		EN 60947-5-5:1997+A1:2005
AS-Interface		EN 62026-2:2013
Functional safety		EN 62061:2005 EN 61508 Parts 1-7:2010 NFPA 79:2007 EN 60204-1:2006
Programming instructions		
Profile		S-7.B.E.
IO code		7
ID code		B
ID1 code		F

Release date: 2019-08-23 15:28 Date of issue: 2019-08-23 192439_eng.xml

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

ID2 code	E	
Data bits (function via AS-Interface)	**input**	**output**
D0	dyn. safety code 1	OUT 1
D1	dyn. safety code 1	-
D2	dyn. safety code 2	-
D3	dyn. safety code 2	-
Parameter bits (programmable via AS-i)	**function**	
P0	not used	
P1	not used	
P2	not used	
P3	not used	
Ambient conditions		
Ambient temperature	-25 ... 55 °C (-13 ... 131 °F) (no freezing)	
Storage temperature	-40 ... 70 °C (-40 ... 158 °F)	
Relative humidity	40 ... 85 % , noncondensing	
Mechanical specifications		
Operating force	Push: 32 N Pull: 21 N Turn: 0.27 Nm Minimum for positive opening operation: 60 Nm	
Operating distance	for positive opening operation: min. 4 mm maximal: 4.5 mm	
Degree of protection	IP65	
Connection	Crimp terminal sockets (JST) 1.5 m Connecting cable with crimp on 2 flexible leads supplied with delivery	
Installation	Installation in 22 mm hole	
Mass	105 g	
Life span	> 250,000 switching operations	

Release date: 2019-08-23 15:28 Date of issue: 2019-08-23 192439_eng.xml

DOWNLOADED FROM WWW.SCATTS.CO.UK

SCATTERGOOD & JOHNSON LTD
ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS
Est.1899

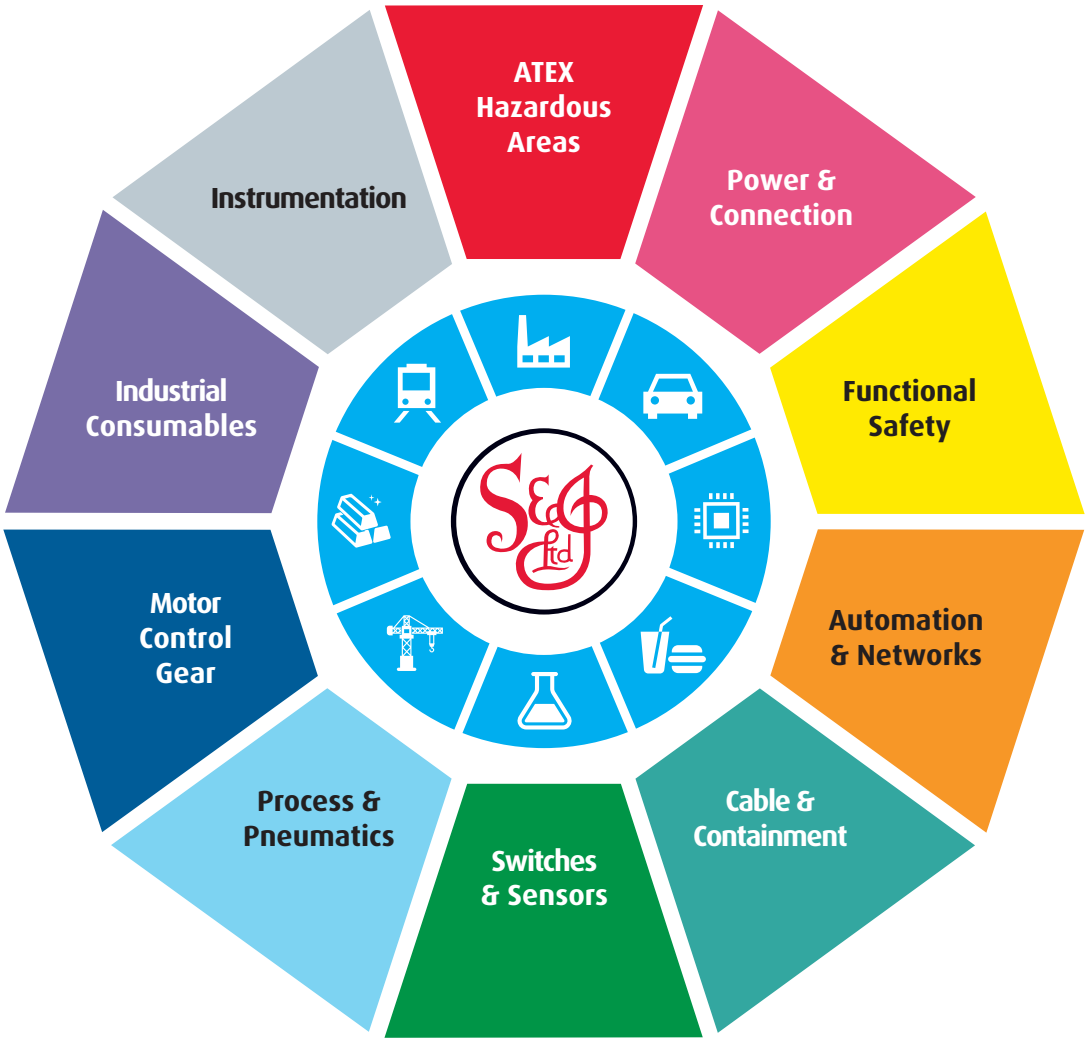
At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk