





Technical Data	
Connection technology	CAGE CLAMP®
Conductor range	0.25 ... 2.5 mm <sup>2</sup> / 24 ... 14 AWG
Strip length	8 ... 9 mm / 0.33 inch
Dimensions W x H x D	24 x 67.8 x 100 mm
Weight	96.9 g
Ambient temperature (operation)	-40 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	Max. 95 %, short-term condensation per Class 3K7 / IEC EN 60721-3-3 and E DIN 40046-721-3 (except wind-driven precipitation, water and ice formation)
Operating altitude	Without temperature derating: 0 ... 2000 m; With temperature derating: 2000 ... 5000 m (0.5 K/100 m); Maximum: 5000 m
Vibration resistance	Per IEC 60068-2-6 (acceleration: 5 g), EN 60870-2-2, IEC 60721-3-1, -3
Shock resistance	Per IEC 60068-2-27 (15 g/11 ms/half-sine/1,000 shocks; 25 g/6 ms/1,000 shocks), EN 61373
EMC immunity to interference	EN 61000-6-1, EN 61000-6-2, EN 61131-2 (marine applications), EN 60255-26, EN 60870-2-1, EN 61850-3, IEC 61000-6-5, IEEE 1613, VDEW: 1994
EMC emission of interference	EN 61000-6-3 and EN 61000-6-4, EN 61131-2, EN 60255-26 (marine applications), EN 60870-2-1 and EN 61850-3 (industrial and residential areas)

Explosion protection	
Safety-relevant data (circuit)	U <sub>0</sub> = 26.8 V; I <sub>0</sub> = 92.72 mA; P <sub>0</sub> = 621.27 mW; Linear characteristic curve
Reactances Ex ia IIC	L <sub>0</sub> = 1.6 mH; C <sub>0</sub> = 0.082 µF
Reactances Ex ia IIB	L <sub>0</sub> = 15 mH; C <sub>0</sub> = 0.71 µF
Reactance Ex ia IIA	L <sub>0</sub> = 25 mH; C <sub>0</sub> = 2.36 µF
Reactances Ex ia I	L <sub>0</sub> = 36 mH; C <sub>0</sub> = 3.84 µF
Reactances	Reactances without considering the concurrence of L and C; for reactances that account for the concurrence of L and C, see manual
Guidelines and Approvals	
Conformity marking	CE
Ex guideline	EN/IEC 60079-0, -7, -11
Marine applications	ABS, DNV GL, LR, PRS
• E175199 Ordinary Locations	
TÜV 17 ATEX 196484 X	⊕ II 3 (1) G Ex ec [ia Ga] IIC T4 Gc ⊕ II (1) D [Ex ia Da] IIIC ⊕ I (M1) [Ex ia Ma] I
IECEx TUN 17.0005X	Ex ec [ia Ga] IIC T4 Gc [Ex ia Da] IIIC [Ex ia Ma] I
• UL E198726 Hazardous Locations	Cl I, Div 2, Group A, B, C, D, T4



**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 manufacturers 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](http://www.scatts.co.uk)**