Quick Selection Guide for UE Products

PRODUCT SERIES Click on product to view full specifications and datasheet online →	J6	10	12	J21K	24	J40	54	55	100	117	120	400	800	820E/822E	One Series: 1XSWLL	One Series: 1XSWHL XSWHH	One Series: 1XTXSW	One Series: 1XTX00	One Series: ONE Safety (25LP)	Excela	Vanguard
VARIABLE																					
Pressure	●	●	●			●	●		●	●	●	●			●	●	●	●	●	●	
Vacuum	●		●	●		●	●		●	●	●	●			●	●	●	●	●	●	
Differential Pressure			●	●	●				●	●	●	●			●	●	●	●	●	●	
Temperature			●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Gas																					●
ENCLOSURE																					
Open frame						●	●	●													
Enclosure Type 1 Gen. Purpose		●		●	●		●						●								
Enclosure Type 4 Watertight		●											○								
Enclosure Type 4X Watertight	●		●	○				●	●	●	●	●		●	●	●	●	●	●	●	●
Zone 0, Intrinsically Safe	○	○	○	○					○	○	○	○			●						●
Division 1 Zone 1, Hazardous Location, IP 66 Rating			●								●			●	●	●	●	●	●		●
Division 2 Zone 2, Hazardous Location, IP 65 Rating			●							●	●			●	●	●	●	●			●
OUTPUT																					
Single Switch SPDT	●	●		●	●	●	●	●	●		●	●	●	●	SPST	SPST			SPST	●	
Dual Switch SPDT							●	●			●	●	●	●			2xSPST				
Triple Switch SPDT												●									
DPDT									○		○	○									
Dual Switch DPDT												○									
Adjustable Deadband	○			○		○	○		○		○	○			●	●	●		●	●	
Hermetically-Sealed Switch SPDT			●							●	○										
Hermetically-Sealed Switch DPDT			●							○	○										
4 to 20 mA, HART																	●	●			
Wireless HART																					●
SENSORS																					
Welded Stainless Steel Diaphragm			●						●	●	●	●			●	●	●	●	●	●	
Stainless Steel Bellows	●			●			●		●	●	●	●									
Elastomer Diaphragm		●	●		●		●		●	●	●	●									
Brass/Bronze Bellows	●			●		●	●		●	●	●	●									
Piston	●	●	●				●		●		●	●									
Process Alloy			○						○	○	○										
Local Temperature Mount			●				●		●	●	●				●	●	●	●	●	●	
Remote Temp. Mount			●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Toxic (H_2S, CO, NH_3)																					●
Combustible (CH_4, C_3H_8, LEL%)																					●
MISCELLANEOUS																					
Terminal Block					●					●	●		○	●	●	●	●	●	●	●	
Visual Indication*					○			○	○		○	○	●	●	●	●	●	●	●	●	●
Dual Seal Certified			●												○	○	○	○	○		
SIL 2 Certified			○						○		○				●	●			●		
Battery Operated																					●
Material Traceability (EN 10204) Certification		△	△						△	△	△	△			△	△	△	△	△	△	

*Visual indication may be through a pilot light option or display of process pressure or temperature readings.

● Available ○ Option △ Contact Able

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LRQA CERTIFIED ISO 9001 · UKAS MANAGEMENT SYSTEMS 0001
Citation ISO Certification Environmental management ISO 14001: 2015 REGISTERED
Certificate No:288612019
Citation ISO Certification Occupational health and safety management ISO 45001: 2018 REGISTERED
Certificate No:372832021
Registered in England No. 01851002. VAT No. GB 417 2481 61

Quick Selection Certification Guide for UE Products

CERTS / APPROVALS		J6	10	12	J21K	24	J40	54	55	100	117	120	400	800	820/822E	One Series 1XSWLL	One Series 1XSWHL XSWHH 1XTXSW & 1XTX00	One Series ONE Safety (25LP)	Excela	Vanguard TCD50	Vanguard TCD60
NORTH AMERICA																					
FM	FM Approved												●								
c UL us	UL Listed	●		●	●	●		●	●	●	●	●	●	●	●	●	●	●	●		
	UL Recognised		●				●	●	●				●	●							
	CL I, Grp A			●												●	●				
	CL I, Grp B											●			●		●	●			
c ETL us Intertek	Ex db ia op is [ia] IIB T4 Gb																			●	
	Ex db ia op is [ia] IIC T4 Gb																				●
	CRN	●	●	●	●	●	●	●		●	●	●	●			●	●	●	●		
Enclosure Rating			Type 4	4X						4X	4X	4X				4X	4X	4X	4X	4X	4X
EUROPE																					
Ex CE	Ex ia	○	○	○	○					○	○	○	○			●				●	●
	Ex nA															●	●				
	Ex db			●								●			●	●	●	●		●	●
	Ex tb			●								●			●	●	●	●			
	Ex opis																			●	●
Electromagnetic Compatibility (EMC)	2014/30/EU	●	●	●	●					●	●	●	●			●	●	●	●	●	●
Low Voltage Directive (LVD)	2014/35/EU	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pressure Equipment Directive (PED)	2014/68/EU	●	●	●	●	●	●	●		●	●	●	●			●	●	●	●		
Enclosure Rating				IP66								IP66			IP66	IP66	IP66	IP66	IP66	IP66	IP66
INTERNATIONAL																					
IEC IECEx	IEC Ex ia	●	●	●	●					●	●	●	●			●				●	●
	IEC Ex nA															●	●				
	IEC Ex db			●								●			●	●	●	●		●	●
	IEC Ex tb			●								●			●	●		●			
Enclosure Rating				IP66								IP66			IP66	IP66	IP66	IP66	IP66	IP66	IP66
SIL																					
	SIL			●						●		●				●		●			

Ex db = Flame-Proof
Ex tb = Dust Protected
Ex ia = Intrinsic Safety
Ex nA = Non-Arcing
Ex tb = Dust Protected
[1] Type 4 ratings exclude 10A, 10B, and 10F models
[2] IP Rating excludes gas sensor

CL I, Group A = Class 1, Groups A, B, C, D; Class II, Groups E, F, G; Class III
CL I, Group B = Class 1, Groups B, C, D; Class II, Groups E, F, G; Class III
● Available ○ Option

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Lexan General Electric Co.
HART and WirelessHart FieldComm Group

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BRAZIL																				
	INMETRO Ex ia			○						○	○	○	○			○				
	INMETRO Ex nA															○				
	INMETRO Ex db			○								○			○	○	○	○		
	INMETRO Ex tb			○								○			○	○	○	○		
CHINA																				
	CCC / Ex ia	○	○	○	○					○	○	○	○			○				
	CCC / Ex ec															○	○			
	CCC / Ex db			○								○		○		○	○	○		
	CCC / Ex tb			○								○		○		○	○	○		
INDIA																				
	PESO Ex d			△								●			△	△	△	△		●
	PESO Ex ia	△	△	△	△					△	△	△	△			△				●
KOREA																				
	KOSHA/KGS Ex d			○								○			○	○	○			○
	KOSHA/KGS Ex tb											○								
	KOSHA/KGS Ex ia															○				○
RUSSIA, KAZAKHSTAN, BELARUS, ARMENIA, KYRGYZSTAN																				
	EAC Ex db			○								○			○	○	○	○		○
	EAC Ex tb			○								○			○	○	○	○		○
	EAC Ex ia	○	○	○	○					○	○	○	○			○				
TAIWAN																				
	ITRI											△				△	△			
UKRAINE																				
	UkrEx			●								●			●					
UNITED ARAB EMIRATES (UAE)																				
	ECAS / Ex ia	△	△	△	△					△	△	△	△			△				
	ECAS / Ex db			△								△		△		△	△	△		
	ECAS / Ex tD			△								△		△		△	△	△		
	ECAS / Ex nA															△	△			
UNITED KINGDOM																				
	* UKCA / Ex ia	○	○	○	○					○	○	○	○			○				○
	* UKCA / Ex db			○								○			○	○	○	○		○
	* UKCA / Ex tb			○								○			○	○	○	○		
	* UKCA / Ex nA															○	○			

● Available ○ Option △ Contact Able

Ex db = Flame-Proof
Ex tb = Dust Protected
Ex ia = Intrinsic Safety
Ex nA = Non-Arcing
Ex tb = Dust Protected
Ex ec = Increased Safety
CL I, Group A = Class 1, Groups A, B, C, D; Class II, Groups E, F, G; Class III
CL I, Group B = Class 1, Groups B, C, D; Class II, Groups E, F, G; Class III

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