




Intrinsic safety

Explosion proof sensors

Types	Cylindrical series FSQ	Rectangular series MQ	Level series ILM
			
Exter. Dimensions (mm) Float Dimensions (mm)	Ø16 x 110	37 x 16 x 8.3	Spherical Ø 53 [S], Cylindrical Ø 45x55 [C]
Category	2G, 2D	2G, 2D [MQx1EX] 1G, 1D [MQA0EX]	2G, 2D [ILMx2] 1G, 1D [ILMx0]
EX Identification	<ul style="list-style-type: none"> ⊕ II2GExmbIICT5Gb ⊕ II2DExmbIICT100°CDbIP67 	<ul style="list-style-type: none"> ⊕ II2GExmbIICT5Gb [MQx1EX] ⊕ II2DExmbIICT100°CDbIP67 [MQx1EX] ⊕ II1GExialICT6Ga [MQA0EX] ⊕ II1DExialICT100°CDaIP67 [MQA0EX] 	<ul style="list-style-type: none"> ⊕ II2GExmbIICT5Gb [ILMx2] ⊕ II2DExmbIICT100°CDbIP67 [ILMx2] ⊕ II1GExialICT6Ga [ILMx0] ⊕ II1DExialICT100°CDaIP67 [ILMx0]

General specifications

Max. switch. voltage contact	250 VAC	230 VAC/DC [MQA1EX, MQC1EX] 30 VAC/DC [MQA0EX] 150 VAC/DC [MQS1EX]	250 VAC/DC [ILMA2] 230 VAC/DC [ILMS2] 30 VAC/DC [ILMx0]
Max. switch. current contact	3A	0.25 to 0.75 A [MQx1EX] 120 mA [MQA0EX]	3 A [ILMA2]; 1A [ILMS2] 120 mA [ILMx0]
Max. switch. power contact	100 VA	5 to 10 VA [MQx1EX] - [MQA0EX]	100 VA [ILMA2] 60 VA [ILMS2]
Operating distance	8 - 30 mm	10 - 35 mm	-
Degree of protection	IP 67 IP66 (FSQA2HFEX)	IP 67	IP 67
Temperature Class	T5	T5 [MQx1EX] T6 [MQA0EX]	T5 [ILMx2] T6 [ILMx0]
Body material	Stainless steel AISI 303	Self-exting. PP + 30% glass fiber	Stainless steel AISI 316
Approvals / mark	CE - TÜV Sud	CE - TÜV Sud	CE - TÜV Sud

References

Normally open	FSQA2B01SLEX FSQA2HFEX	MQA1EX MQA0EX	ILMA2SSLEX ILMA2CSLEX ILMA0SSLEX ILMA0CSLEX
Normally closed		MQC1EX	
Change - Over		MQS1EX	ILMS2SEX ILMS2CEX ILMS0SEX ILMS0CEX