Honeywell

MICRO SWITCH™ Hazardous Area Switches

Hazardous Location Approvals

Agency Approval										
Hazardous Designations										
Sealing										
Operating Temp.										
	CLSX	GXA/GXE	LSX	EX	GSX	CX	WBX	BX2	VPX	BX
14CE100	UL	IEC Ex	CSA	INMETRO	cULus	UL	cULus	cULus	cULus	EAC (GOST-R)
ATEX (CE)	CSA	KOSHA	Div I & 2, Class I Groups B, C, & D	Div I & 2, Class I Groups B, C, & D	ATEX	CSA	ATEX (CE)	ATEX (CE)	ATEX (CE)	UL
II 2 G Ex d IIC T6	Div I & 2, Class I Groups B, C, & D	II 2 G Ex d IIC T6	Div I & 2, Class II Groups E, F, & G	Div I & 2, Class II Groups E, F, & G	IEC Ex	ATEX (CE)*	IEC Ex	EAC (GOST-R)	IEC Ex	CSA
II 2 D Ex tD A21 T85C	Div I & 2, Class II Groups E, F, & G	II 2 D Ex tD A21 T85C	IP67	EX: II 2 G Ex d IIB + H_2 T6 Gb EXHT: II 2 G Ex d IIB + H_2 T2 Gb	KOSHA	IEC Ex*	FCC, IC, ETSI	IEC Ex	KOSHA	ATEX (CE)
IP65/66/67	NEMA 1, 3, 4, 13	IP66	NEMA 1, 3, 4, 6, 13	NEMA 1	INMETRO	INMETRO*	Div I & 2, Class I Groups B, C, & D	INMETRO	NEPSI	IEC Ex
0 °C to 70 °C	-25 °C to 40 °C	3 A: -20 °C to 75 °C 4 A: -20 °C to 60 °C	-40 °C to 121 °C	EX: -40 °C to 70 °C EXHT: -40 °C to 204 °C	Div I & 2, Class I Groups B, C, & D	Div I & 2, Class I Groups B, C, & D	Div I & 2, Class II Groups E, F, & G	NEPSI	II G Ex ia IIC T4 Ga (prox version)	INMETRO
					Div I & 2, Class II Groups E, F, & G	Div I & 2, Class II Groups E, F, & G	II 1 G Ex ia IIC T4 Ga	Div I & 2, Class I Groups B, C, & D	II D Ex ia IIIC T135°C Da (prox version)	NEPSI
					II 2 G Ex d IIC T6 Gb	II 2 G Ex d IIC T6	II 1 D Ex ia IIIC T135C Da	Div I & 2, Class II Groups E, F, & G	II 2 G Ex db IIC T6 Gb	Div I & 2, Class I Groups B, C, & D
					II 2 D Ex t IIIC IP6X T85C Db	II 2 D Ex tD A21 IP66 T85C	Class I, Zone 0, AEx ia IIC T4 Ga; Class I, Zone 1, AEx ia IIC T4 Ga	II 2 G Ex d IIC T6 Gb 1 Ex d IIC T6 Gb	II 2 D Ex tb IIIC T85°C Db	Div I & 2, Class II Groups E, F, & G
					IP67	IP66/67	Class II, Zone 20, AEx ia IIIC T135°C; Class II, Zone 21, AEx ia IIIC T135°C	II 2 D Ex tb IIIC T85C Db	IP66/67	II 2 G Ex d IIC T6 Gb 1 Ex d IIC T6 Gb
					NEMA 1, 4, 6, 12, 13	NEMA 1, 3, 4, 4X, 6, 6P, 13	IP67	IP67	NEMA 1, 3, 4, 4X, 6, 13	II 2 D Ex tb IIIC T85C Db
					-40 °C to 70 °C	-40 °C to 70 °C	NEMA 1, 3, 4, 6, 13	NEMA 1, 3, 4, 4X, 6, 13	-40 °C to 50 °C (4 EM switch version)	IP67
							-40 °C to 70 °C	-40 °C to 70 °C	-40 °C to 60 °C (2 EM switch version)	NEMA 1, 3, 4, 6, 13
									-40 °C to 80 °C (prox switch version)	-40 °C to 70 °C

* Select catalog listings

While Honeywell provides application assistance personally, through its literature and the Honeywell Web site, it is up to the customer to determine the suitability of the product in the application.

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