

Flame and Dust Ignition Proof Slim LED Signal Tower Light

QST50-Ex



QST50-Ex

PRODUCT SPECIFICATION

QST50-Ex | QST50B-Ex

Materials

Lens-PC, Diffusion lens-PC, Housing-Al, Cover-Al

Ambient operating temperature

-40°C ≤ Tamb ≤ +60°C

Explosion protection rating

IECEEx - Ex db IIC T6 Gb

Ex tb IIIC T85°C Db

ATEX - Ex db IIC T6 Gb

Ex tb IIIC T85°C Db

KCs - Ex db IIC T6 Gb, IP66/IP67

Certificates IECEEx, ATEX, KCs, NEPSI, CCC

Sound volume Max. 90dB at 1m

Housing standard color Silver

Cable entry M20xP1.5, 1/2"NPT

Flashing rate 60-80 flashes/min

- Ex db IIC T6 Gb rated flame/dust ignition proof LED tower light for use in explosive gas areas
- Excellent long-distance visibility by applying a special light diffusion tube that condenses LED light
- Aluminum housing provides excellent durability
- Semi-permanent service life with long-lasting LED light source



QST50-Ex Flame/Dust Ignition Proof Slim LED Signal Tower Light

Model number	Layer	Voltage	Certificates	Weight	Color
QST50-Ex	1	DC24V		1.13kg	R-Red
		AC110V-230V			
	2	DC24V			R-Red
		AC110V-230V			G-Green
	3	DC24V			R-Red
		AC110V-230V			A-Amber
	4	DC24V			G-Green
		AC110V-230V			B-Blue
	5	DC24V			R-Red
		AC110V-230V			A-Amber
					G-Green
					B-Blue
					W-White

Light source current(based on 1 layer)

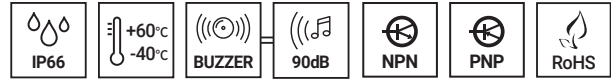
Voltage	DC24V	AC110V-230V
Light source current(1 layer)	75mA	Max.55mA

Ordering Specification

QST50-Ex	-	5	-	24	-	RAGBW	-	IECEEx
[Model number]		[Layer]		[Voltage]		[Color]		[Certificates]
QST50-Ex		1-1Layer		24-DC24V		R-Red		IECEEx
		2-2Layers		110/230-AC110V-230V		A-Amber		ATEX
		3-3Layers				G-Green		KCs
		4-4Layers				B-Blue		CCC(NEPSI)
		5-5Layers				W-White		

Flame/Dust Ignition Proof Slim LED Signal Tower Light with Built-in Buzzer

QST50B-Ex



QST50B-Ex Flame/Dust Ignition Proof Slim LED Signal Tower Light with Built-in Buzzer

Model number	Layer	Voltage	Certificates	Weight	Color
QST50B-Ex	1	DC24V		1.30kg	R-Red
		AC110V-230V			
	2	DC24V			R-Red
		AC110V-230V			G-Green
	3	DC24V			R-Red
		AC110V-230V			A-Amber G-Green
	4	DC24V			R-Red A-Amber G-Green B-Blue
		AC110V-230V			
	5	DC24V			R-Red A-Amber G-Green B-Blue W-White
		AC110V-230V			

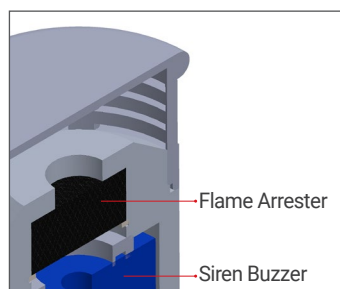


QST50B-Ex

Light source/buzzer current(based on 1 layer)

Voltage	DC24V	AC110V-230V
Light source current(1 layer)	75mA	Max.55mA
Buzzer current	50mA	Max.40mA

Explosion proof structure for buzzer model



· FLAME ARRESTER

A flame arrester(also called a deflagration arrester) functions by absorbing the heat from a flame front traveling at sub-sonic velocities, thus dropping the burning gas/air mixture below its auto-ignition temperature: consequently, the flame cannot survive. The heat is absorbed through channels (passages) designed into an element.

Ordering Specification

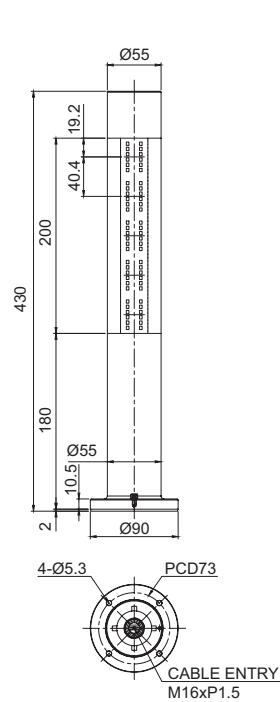
QST50B-Ex	-	5	-	24	-	RAGBW	-	IECEx
[Model number] QST50B-Ex		[Layer] 1-1Layer 2-2Layers 3-3Layers 4-4Layers 5-5Layers		[Voltage] 24-DC24V 110/230-AC110V-230V		[Color] ● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White		[Certificates] IECEx ATEX KCs CCC(NEPSI)

QST50-Ex Series

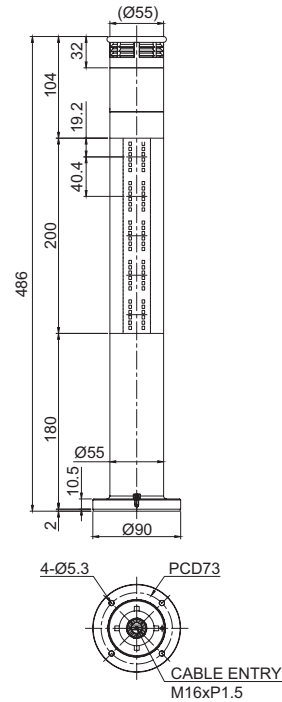
Technical Diagram

Units: mm

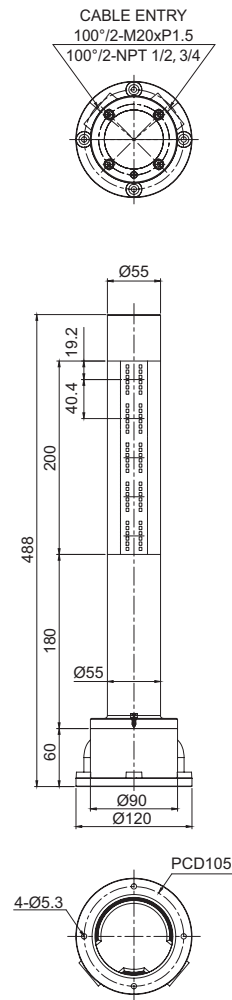
·QST50-Ex-5: DC/AC



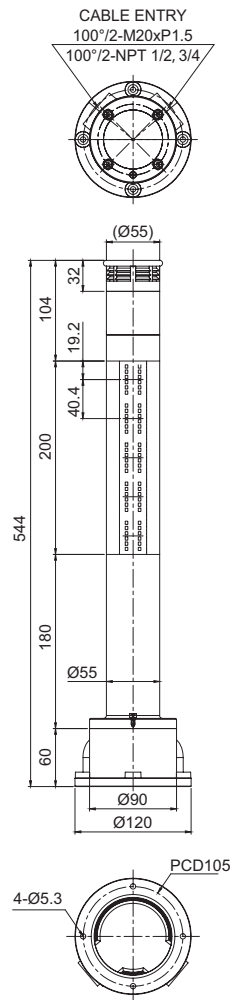
·QST50B-Ex-5: DC/AC



·QST50T-Ex-5: DC/AC



·QST50BT-Ex-5: DC/AC

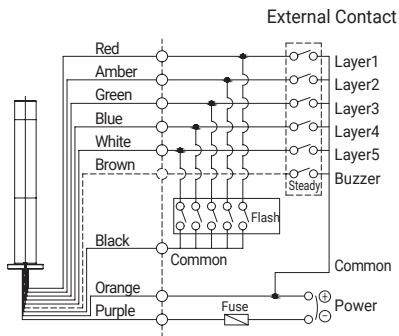


Wiring Instructions

- QST50-Ex Series can be wired with either External Contact or transistor.
- In case of wiring by transistor, please make sure if it is NPN type or PNP type. Please follow wiring instructions below.

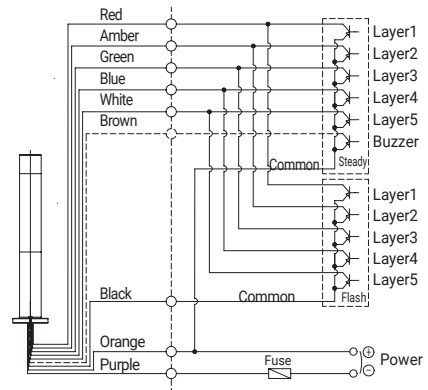
External Contact

DC
Steady/Flashing

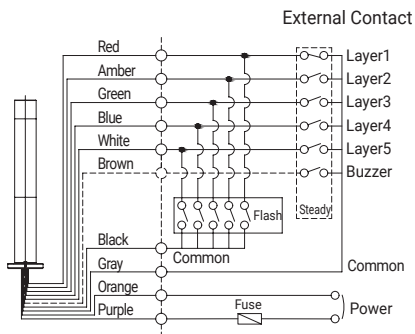


Transistor

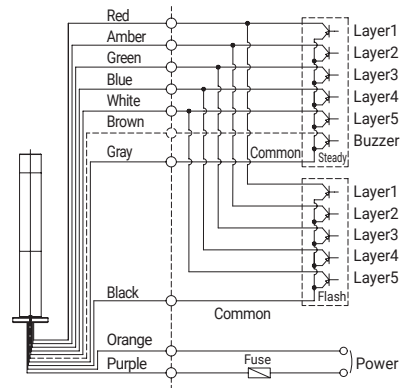
External transistor-PNP



AC
Steady/Flashing



External transistor-PNP



QST50-Ex Series



Terminal Wiring Information

