

# FCM2630-E00 - Pre-calibrated Module for Refrigerant Gas R-32

### Features:

- \* Factory calibrated
- \* Temperature compensation circuit
- \* Resistant to interference gases
- \* Compact embedded type module
- \* Open collector output (monitoring/alarm/malfunction output)
- \* Meets IEC60335-2-40 requirements

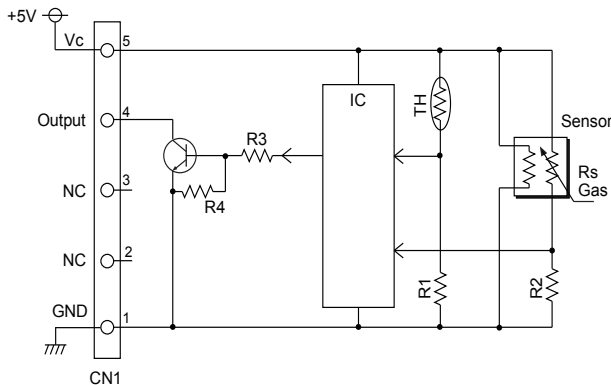
FCM2630-E00 is an embedded type module using the semiconductor gas sensor TGS2630 which is optimized to detect A2L refrigerant gas R-32.

This module enables users to easily build a reliable gas leakage detection system by eliminating electronic circuit design for temperature compensation and the calibration process. In addition, a connector allows easy replacement of the gas sensor module for periodic maintenance.

The TGS2630 gas sensor has a built-in filter to reduce the influence of alcohol and other interference gases, resulting in high selectivity to R-32. For more detailed information on the gas sensor, including sensitivity characteristics, see *TGS2630 Product Information*.

FCM2630-E00 is capable of satisfying the IEC60335-2-40 Edition 6.0 Annex LL and the JRA4068:2016R (Performance 3) standards. The applicable standards are both limited to refrigerant gas type: R-32.

### Circuit Diagram



### Applications:

- \* Refrigerant gas leak detection in air conditioning/refrigeration systems



### Pin Connections

Pin No.	Name	Description
1	GND	Common ground
2	NC	No connection
3	NC	No connection
4	Output	Monitoring/alarm/malfunction output
5	Vc	Circuit voltage

Connector model: S05B-PASK-2 (made by JST)

Recommended receptacle for connector: PAP-05V-S (made by JST)

