Option Ruggedized

for TC.GSS Series (plus TC.GXS and TC.GSX)

This document is complementary to the product datasheets for the TC.GSS series (plus TC.GXS and TC.GSX)

Features

Especially for operation in mobile applications under enhanced requirements to vibrations, shock and everchanging environments.

Regatron AG provides different ruggedization levels for mobile applications. To be ordered separately or in combination.

- Option Shock And Vibration (SAV)
 Ruggedized against shock and vibration
- Option Environment (ENV)
 Protection against environmental influence

Ordering code

The original ordering code for the respective device is added an additional appendix, i.e. one of the following:

- .1 for the option SAV
- .2 for the option ENV
- .3 for options SAV and ENV

e.g. TC.GSS.20.600.4WR.S(.LC)(.HMI).2

Technical Data

Option Environment (ENV)

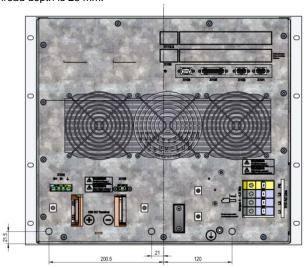
All printed circuit boards (PCB) are covered with a conformal coating to provide additional protection against environmental influences such as humidity and pollution.

Ambient conditions (according to IEC 60068-2-78) Operation

Operating temperatur	re	5-40°C
Relative air humidity	(non-condensing).	0-95%

Option Shock And Vibration (SAV)

NOTE: The option SAV includes three fixation threads (M8) on the backside (see following drawing). The datasheet values are achieved, when the device is fixed via these threads. The usable thread depth is 25 mm.



Mechanical strengthening

Weight Additional weight	+15 kg
Test time Vibration direction Range 10 Hz – 57 Hz (Ampli	10 Hz – 150 Hz
	10 Hz – 500 Hz e (RMS)2 g 30 min. / axis
	y: 0.01 g² / Hz Hz to 500 Hz)0.005 g² / Hz
Shock acceleration (horizont Shock number and vector	

NOTE: For use with option TC.ISR, the shock acceleration (operative unit) is slightly reduced. For detailed information contact the customer support.

Option PACOB

Protection against accidental contact (only for SAV)...TC.PACOB for TC.G ruggedized

Shock number and vector.....± 3 Shocks / axis

Shock directionX-, Y- and Z-axis

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All product specifications are subject to change without notification.

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