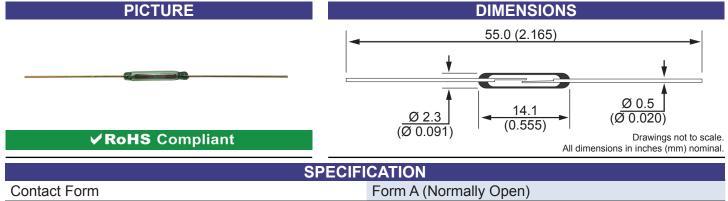
# COMUS Group



Part Number: GC2315 Reed Switch - Normally Open Contacts Product Data Sheet



Contact MaterialRhodiumSwitching CapacityMax.10 W/VASwitching VoltageMax.400 VAC/DCSwitching CurrentMax.0.5 ACarrying CurrentMax.1.0 ADielectric StrengthMin.350 450 (PI ≥ 15) VDCContact ResistanceMax.160 mOhmsInsulation ResistanceMin.10 <sup>-1</sup> ΩPull - In Sensitivity10 - 35 ATDrop - Out SensitivityMin.5 ATSwitching Time without BounceMax.1.0 msBounce TimeMax.0.05 msRelease TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°CTest CoilType1035	Contact Form		Form A (Normally Open)
Switching VoltageMax.400 VAC/DCSwitching CurrentMax. $0.5 \text{ A}$ Carrying CurrentMax. $1.0 \text{ A}$ Dielectric StrengthMin. $350^{\circ}$ 450 (Pl ≥ 15) VDCContact ResistanceMax. $150 \text{ mOhms}$ Insulation ResistanceMin. $10^{11} \Omega$ Pull - In SensitivityI0 - 35 AFDrop - Out SensitivityMin.Switching Time without BounceMax.Bounce TimeMax.Release TimeMax.Qperating FrequencyTyp.Vibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.Operate Temperature Range $-40^{\circ}\text{C} + 125^{\circ}\text{C}$	Contact Material		Rhodium
Switching CurrentMax. $0.5 \text{ A}$ Carrying CurrentMax. $1.0 \text{ A}$ Dielectric StrengthMin. $350$ 450 (PI $\geq$ 15) VDCContact ResistanceMax. $150 \text{ mOhms}$ Insulation ResistanceMin. $10^{11} \Omega$ Pull - In Sensitivity $10 - 35 \text{ AT}$ Drop - Out SensitivityMin. $5 \text{ AT}$ Switching Time without BounceMax. $1.0 \text{ ms}$ Bounce TimeMax. $0.2 \text{ ms}$ Release TimeMax. $0.05 \text{ ms}$ Resonant FrequencyTyp. $500 \text{ Hz}$ Operating FrequencyMax. $200 \text{ Hz}$ Vibration (10-1000 \text{Hz}) $35 \text{ Hz}$ Shock (11 ms) $50 \text{ G}$ CapacitanceTyp. $0.7 \text{ pF}$ Operate Temperature Range $-40^\circ\text{C} + 125^\circ\text{C}$	Switching Capacity	Max.	10 W/VA
Carrying CurrentMax.1.0 ADielectric StrengthMin.350450 (Pl ≥ 15) VDCContact ResistanceMax.150 mOhmsInsulation ResistanceMin.10 <sup>11</sup> ΩPull - In Sensitivity10 - 35 ATDrop - Out SensitivityMin.5 ATSwitching Time without BounceMax.1.0 msBounce TimeMax.0.2 msRelease TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Switching Voltage	Max.	400 VAC/DC
Dielectric StrengthMin.350450 (PI ≥ 15) VDCContact ResistanceMax.150 mOhmsInsulation ResistanceMin. $10^{11} \Omega$ Pull - In Sensitivity10 - 35 ATDrop - Out SensitivityMin.5 ATSwitching Time without BounceMax.1.0 msBounce TimeMax.0.2 msRelease TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyWax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Switching Current	Max.	0.5 A
Contact ResistanceMax.150 mOhmsInsulation ResistanceMin.10 <sup>11</sup> ΩPull - In Sensitivity10 - 35 ATDrop - Out SensitivityMin.5 ATSwitching Time without BounceMax.1.0 msBounce TimeMax.0.2 msRelease TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Carrying Current	Max.	1.0 A
Insulation ResistanceMin.10 <sup>11</sup> ΩPull - In Sensitivity10 - 35 AFDrop - Out SensitivityMin.Switching Time without BounceMax.Bounce TimeMax.Bounce TimeMax.Release TimeMax.O.2 msResonant FrequencyTyp.Operating FrequencyMax.Vibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.Operate Temperature Range-40°C + 125°C	Dielectric Strength	Min.	350 450 (PI ≥ 15) VDC
Pull - In Sensitivity10 - 35 ATDrop - Out SensitivityMin.5 ATSwitching Time without BounceMax.1.0 msBounce TimeMax.0.2 msRelease TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Contact Resistance	Max.	150 mOhms
Drop - Out SensitivityMin.5 ATSwitching Time without BounceMax.1.0 msBounce TimeMax.0.2 msRelease TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Insulation Resistance	Min.	10 <sup>11</sup> Ω
Switching Time without BounceMax.1.0 msBounce TimeMax.0.2 msRelease TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Pull - In Sensitivity	$\sim$	10 - 35 AT
Bounce TimeMax.0.2 msRelease TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Drop - Out Sensitivity	Min.	5.AT
Release TimeMax.0.05 msResonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Switching Time without Bounce	Max.	1.0 ms
Resonant FrequencyTyp.5000 HzOperating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Bounce Time	Max.	0.2 ms
Operating FrequencyMax.200 HzVibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Release Time	Max.	0.05 ms
Vibration (10-1000Hz)35 HzShock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Resonant Frequency	Тур. 🔹	5000 Hz
Shock (11 ms)50 GCapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Operating Frequency	Max.	200 Hz
CapacitanceTyp.0.7 pFOperate Temperature Range-40°C + 125°C	Vibration (10-1000Hz)		35 Hz
Operate Temperature Range -40°C + 125°C	Shock (11 ms)		50 G
	Capacitance	Тур.	0.7 pF
Test Coil Type 1035	Operate Temperature Range		-40°C + 125°C
	Test Coil	Туре	1035

## NOTE

## **ORDERING INFORMATION**

• The life expectancy of a reed switch is dependent upon the load being switched. At maximun rated loads life expectancy is approximately 10<sup>6</sup> operations. Lower load ratings can increase the life up to 5x10<sup>8</sup> operations. Mechanical life or low level loads can be at least 10<sup>9</sup> operations. Switching inductive, capacitive or lamp loads can considerably reduce the life expectancy.

• We offer a crop and form service for Reed Switches to be customized to your specification.

- PART NUMBER GC <u>2315</u> <u>10</u>

<u>35</u>

- Minimum (AT) Sensitivity —
- Maximum (AT) Sensitivity

Type -

As part of the company policy of continued product improvement, specifications may change without notice. Our sales office will be pleased to help you with the latest information on this product range and the details of our full design and manufacturing service. All products are supplied to our standard conditions of sale unless otherwise agreed in writing.

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