

デジタルタイマ

H5CX-BWSD-N



商品概要

Digital Timer, Six-digit Type, 2 tiers, Transistor output, 24 VAC/12 to 24 VDC, Terminal block models

販売状況 2025/11/10 00:00 情報更新

販売状況	受注終了
受注終了日	2025年9月

推奨代替品の最新情報につきましては、当社Webサイト(www.fa.omron.co.jp)の「生産終了品/推奨代替品」をご覧ください。 在庫状況/標準価格の最新情報につきましては、当社Webサイト(www.fa.omron.co.jp)の「在庫状況/標準価格 照会」をご覧ください。

情報更新: 2024/12/23

詳細情報

Ratings/Performance

Rated supply voltage 12 to 24 VDC (Ripple 20% max.) Operating voltage range 90 to 110% of rated supply voltage Power consumption Approx. 2.3 W Time ranges (Number of ranges) Time ranges 0.01 to 9999.99 s 0.1 to 99999.9 min 0.1 to 99999.9 h 1 s to 99 h 59 min 59 s No-voltage (NPN)/Voltage (PNP) input Input method (selectable) Short-circuit (ON) impedance: $1\,\mathrm{k}\Omega$ max. (Leakage No-voltage input Solid state input current (0 Ω): Approx. 12 mA) Short-circuit (ON) residual voltage: 3 V max. Open circuit impedance: $100 \text{ k}\Omega$ min. (The DC voltage must be 30 VDC max.) Use contact which can adequately switch 5 mA at Contact input Applicable two-wire sensor Leakage current: 1.5 mA max. Switching capacities: 5 mA min. Residual voltage: 3.0 VDC max. Operating voltage: 10 VDC Voltage input High level: 4.5 to 30 VDC Low level: 0 to 2 VDC (Input resistance 4.7 $k\Omega$) Output modes A: Signal ON delay F-1: Cumulative 2 point (Transistor output) Control output (Solid state output) Mode: NPN open collector (DPST-NO) Switching capacities: 30 VDC max., $100 \, \text{mA}$ max. Residual voltage: 1.5 V max. (Capacity value: Approx. 1 V) Leakage current: 0.1 mA max. Power reset (A mode)/External reset/Manual reset Reset system Power reset Minimum power-opening time: 0.5 s (except for F-1 mode) Timer mode Elapsed time (UP) Display method 7-segment negative transmissive LCD 6 digit Character height Present value: 10 mm (Red) Set value: 6 mm (green) Key protect method Key protect Switch Memory backup method EEP-ROM (number of writes: 100,000 min., that can store data for 10 years min.)

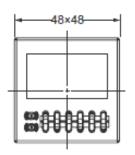
Ambient humidity (Operating) Accuracy of operating time Setting error Influence of voltage Influence of temperature	-25 to 70 °C (with no freezing or condensation) 25 to 85 % Power-ON start: ±0.01% ±0.05 s max. (The values are based on the set value.) Signal start: ±0.005% ±3 ms max. (The values are based on the set value. The value is applied for a minimum pulse width of 1 ms.) Power-ON start: ±0.01% ±0.05 s max. (The values are based on the set value.) Signal start: ±0.005% ±3 ms max. (The values are based on the set value. The value is applied for a minimum pulse width of 1 ms.) Power-ON start: ±0.01% ±0.05 s max. (The values are based on the set value.) Signal start: ±0.005% ±3 ms max. (The values are based on the set value. The value is applied for a minimum pulse width of 1 ms.) Power-ON start: ±0.01% ±0.05 s max. (The values are based on the set value.) Signal start: ±0.005% ±3 ms max. (The values are based on the set value.)
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Inculation reciptance	
	Between current carrying terminals and exposed non-current carrying metal parts: 100 M Ω min. (at 500 VDC)
	Between current carrying metal parts and non- current carrying metal parts: 2000 VAC 50/60 Hz 1 min Between control output, and power supply/input circuit: 1000 VAC 50/60 Hz 1 min Between non-continuous contacts: 1000 VAC 50/60 Hz 1 min
	Between power terminals: 1.0 kV Between current carrying terminals and exposed non-current carrying metal parts: 1.5 kV
	Between power terminals: $\pm 480 \text{ kV}$ Between input terminals: $\pm 600 \text{ kV}$ square-wave noise by noise simulator, pulse width: $100 \text{ ns/1} \mu\text{s}$, 1-ns rise
Static immunity 1	Mulfunction: 8 kV, Destruction: 15 kV
	Destruction: 10 to 55 Hz, 0.75 mm single amplitude each in 3 directions for 2 h Malfunction: 10 to 55 Hz 0.35 mm single amplitude each in 3 directions for 10 min
	Destruction: 300 m/s², 3 times each in 3 axes each directions Malfunction: 100 m/s², 3 times each in 6 directions
	Only panel surface: IEC IP66, UL508 Type 4X (indoors) (when using the Y92S-29 Waterproof Packing and Y92F-30 Flush Mounting Adapter)
Mounting method f	Flush mounting

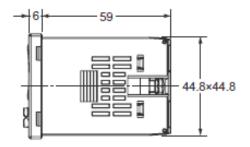
External connection method	Screw terminal
Case color	Black (Munsell N1.5)
Attachment	Flush mounting adapter, waterproof packing, terminal covers
Accessory (sold separately)	Soft Cover: Y92A-48F1 Hard Cover: Y92A-48 Flush mounting adapter: Y92F-30/Y92F-45/Y92F-38 Waterproof packing: Y92S-29 Replacement Front Panel: Y92P-CXT4S/Y92P-CXT4G/Y92P-CXT4B
Weight	Main Unit: Approx. 105 g

Dimensions 情報更新: 2024/12/23

H5CX-BWSD-N (Flush Mounting Models)



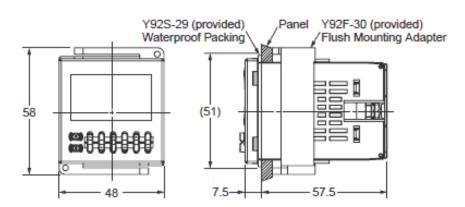




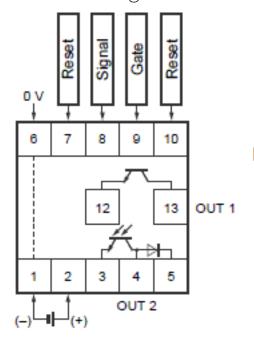
Note: M3.5 terminal screw (effective length: 6 mm)

Dimensions with Flush Mounting Adapter H5CX-BWSD-N (Provided with Adapter and Waterproof Packing)





Terminal arrangement



Note: 1. The power supply and input circuit are not isolated.

Terminals 1 and 6 are connected internally.

 Terminals 7 and 10 have the same reset function. The same function will be performed whichever terminal is connected. Terminals 7 and 10 are not connected internally, however, so do not use them for cross-over wiring.

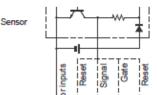
情報更新: 2024/12/23

Input connections

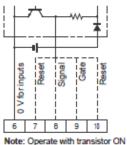
Open Collector

No-voltage Inputs (NPN Inputs)

PLC or 0 V for inputs 8

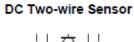


Voltage Output

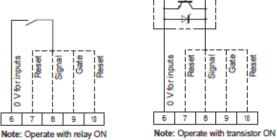


Contact Input

6



情報更新: 2024/12/23



No-voltage Input Signal Levels

Note: Operate with transistor ON

No-contact input	Short-circuit level (Transistor ON) Residual voltage: 3 V max . Impedance when ON: $1 \text{ k}\Omega$ max. (The leakage current is approx. 12 mA when the impedance is 0Ω .) Open level (Transistor OFF) Impedance when OFF: $100 \text{ k}\Omega$ min.
Contact input	Use contacts which can adequately switch 5 mA at 10 V

Applicable Two-wire Sensor

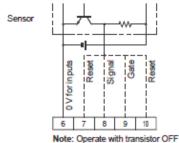
1.5 mA max. Leakage current:

Contact Input

- Switching capacity: 5 mA min.
- Residual voltage: 3.0 VDC max.
 Operating voltage: 10 VDC

Voltage Inputs (PNP Inputs)

No-contact Input (NPN Transistor)



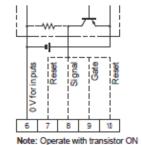


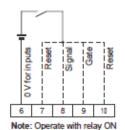
Voltage Input Signal Levels High level (Input ON): 4.5 to 30 VDC

Low level (Input OFF): 0 to 2 VDC

The DC voltage must be 30 VDC max. Input resistance: Approx. $4.7 \text{ k}\Omega$

No-contact Input (PNP Transistor)

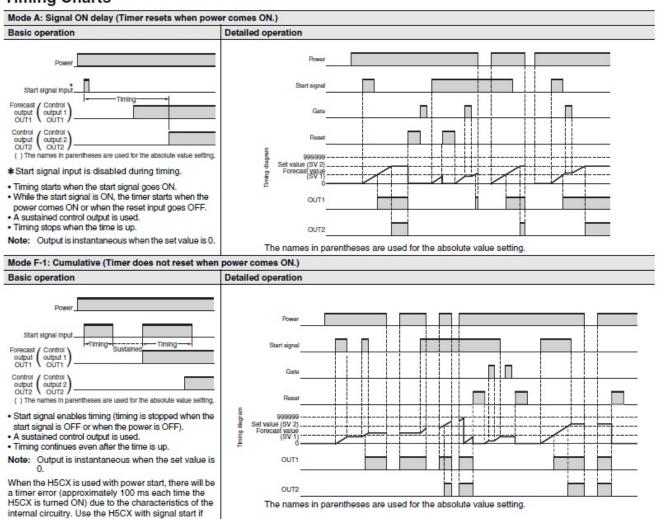




情報更新: 2024/12/23

Operating chart

Timing Charts



timer accuracy is required.

Note: 1. The forecast value = set value - forecast set value
2. The forecast set value is used to set the deviation for the set value.

RoHS/REACH対応状況

情報更新: 2025/11/06

H5CX-BWSD-NのRoHS対応状況については、営業部門もしくは販売店にお問い合わせください。

注意事項·凡例

"対応済み"で記載される商品であっても、流通在庫等で未対応品が混在する可能性があります。 非含有品が必要な際は、弊社営業部門もしくは販売店へお問い合わせください。

※1 対応状況

・ 📵 対応済み : EU RoHS指令(10物質)の非含有に対応した製品が提供可能な商品です。

対応予定 : EU RoHS指令 (10物質) の非含有に対応した製品に切り替える予定のある商品です。
 対応予定なし : EU RoHS指令 (10物質) の非含有に非対応の商品で、対応品を出す予定はありません。
 調査・確認中 : EU RoHS指令 (10物質) の非含有の対応状況を調査中または確認中の商品です。

・非該当品 :ライセンス料など無形物で、有害物質有無と関係のない商品です。

仕入先様の事情により、非含有部品としていたものが、含有品と判明した場合などやむを得ず変更することがあります。

* EU RoHS指令(10物質):

鉛(Pb) 1000ppm以下、水銀(Hg) 1000ppm以下、カドミウム(Cd) 100ppm以下、六価クロム(Cr(VI)) 1000ppm以下、ポリ臭化ビフェニル類(PBB) 1000ppm以下、ポリ臭化ジフェニルエーテル類(PBDE) 1000ppm以下、フタル酸ビス(2-エチルヘキシル) (DEHP)(別名:DOP) 1000ppm以下、フタル酸ブチルベンジル (BBP) 1000ppm以下、フタル酸ジブチル (DBP) 1000ppm以下、フタル酸ジブチル (DBP) 1000ppm以下、フタル酸ジブチル (DBP) 1000ppm以下、フタル酸ジブチル (DBP) 1000ppm以下、フタル酸ジブチル (DBP) 1000ppm以下、フタル酸ンプチル (DBP) 1000ppm以下、カドミウム(Cd) 100ppm以下、六価クロム(Cr(VI)) 1000ppm以下、プタル酸ブチルベンジル (BBP) 1000ppm以下、フタル酸ンプチルベンジル (BBP) 1000ppm以下、フタル酸ンプチルベンジル (BBP) 1000ppm以下、カルマンジル (BBP) 1000ppm以下、フタル酸ンプチルベンジル (BBP) 1000ppm以下、フタル酸ンプチルベンジル (BBP) 1000ppm以下、フタル酸ンプチルベンジル (BBP) 1000ppm以下、フタル酸ンプチルベンジル (BBP) 1000ppm以下、フタル酸ンプチル (DBP) 1000ppm以下、フタル酸シスタル酸シスタル酸シスタル酸シスタル酸シスタル (DBP) 1000ppm以下、フタル酸シスタル (DBP) 1000ppm以下、DBP (DBP) 1000ppm以下、D

※2 対応予定月

部品在庫の切り替え状況などにより、予定月が前後することがあります。

※3 非含有証明書ダウンロード

下記の非含有証明書をダウンロードすることができます。

- ・EU RoHS指令(10物質)の非含有証明書
- ・49物質の非含有証明書(当社基準)
- ※本証明書は発行日時点で非含有を証明するもので、過去に遡って非含有を証明するものではありません。

また、RoHS指令のフタル酸エステル類4物質の対応では、対応完了までの期間は出荷製品に未対応品が混在することから備考欄に対応日を記載しておりました。

既に当社にて対応品への在庫切替を完了していることから、特段のことがない限り、2022年1月12日より割愛しております。

規格認証/適合状況

UL認証	CSA認証	CEマーキング適合	CCC認証
Yes	Yes	Yes	N/A

LR型式承認	DNV型式承認	BV型式承認	KR型式承認	NK型式承認	ABS型式承認
(イギリス	(ノルウェー	(フランス	(韓国	(日本	(アメリカ
船舶規格)	船舶規格)	船舶規格)	船舶規格)	船舶規格)	船舶規格)
No	No	No	No	No	No

この製品の規格認証/適合状況ページへ > その他の認証はこちらのページからご検索ください >