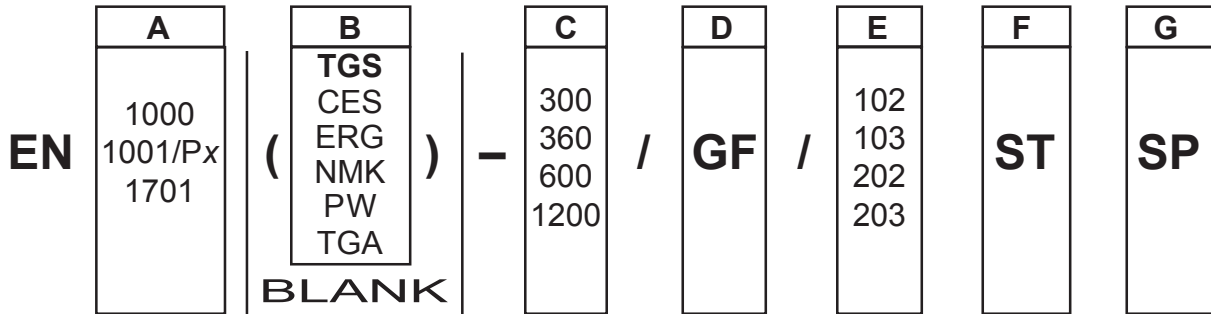


## APPLICATION NOTE 700204F

# TRANSGUN MODEL NUMBER DEFINITIONS



### NOTICE

This Application Note applies only to controls with operators using transguns. Non-hand-held guns can use standard non-GF (ground fault) controls. Old classic “TGA” and “CES” magnetic contactor controls are no longer supplied; must now have GF (ground fault) model.

- A.** Determine control type – **1000** or **1001** or **1701**. For EN1001, determine size (x) of primary coil.
- B.** Determine transgun type
  - TGS** – designed to operate with TG System transgun.
  - CES** – may include 1) initiation connector supplied by manufacturer and 24 VAC valves only; specify in **SP** (see **G** on next page).
  - ERG** – ERG initiation connector supplied by ENTRON, 24 VDC valves (Valve 3 retraction inverted), 24 VDC power supply; EN1001 comes ready to use internal current sensing coil.
  - NMK** – connectors standard from Nimak: 1) initiation, 1) H1 & H2 power, 24 VDC valves, 24 VDC power supply; EN1001 comes ready to use internal current sensing coil.
  - PW** – designed to operate with PW transgun; PW initiation connector supplied by ENTRON, 24 VDC valves, 24 VDC power supply; EN1001 comes ready to use internal current sensing coil.
  - TGA** – may include 1) S type initiation connector and 24 VAC valves only; specify in **SP** (see **G** on next page).
  - BLANK** – no connector; any connectors; valve voltage and valve power supply to be called out in **SP** (see **G** on next page).
- C.** Determine contactor size – **300**, **360**, **600**, **1200**.
- D.** All transguns must have ground fault (**GF**).

(continued on next page)

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#### PRODUCTION ENGINEERING

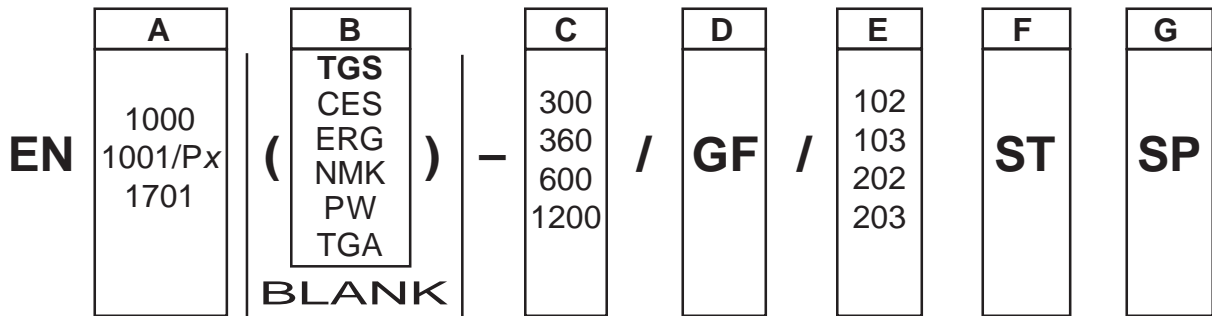
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# TRANSGUN MODEL NUMBER DEFINITIONS

(cont.)



**E.** Choose breaker

1. First digit – choose **1** for 100 amp; choose **2** for 200 amp (100 or 200 amp only).
2. Second digit – **0**
3. Third digit – choose **2** for 2 pole for single phase guns; choose **3** for 3 pole for single phase guns that need breaker to run auxiliary devices; choose **3** for 3 pole for 3 phase EN1701.

**F.** All controls with **GF** need shunt trip (**ST**).

**G.** Special notes – model number is followed with text description of specifics on connectors, valves and valve power supply.

**TGS** No text required.

**CES** If connector is required, must be stated “with CES connector”; valve voltage must be specified “24 VAC valves”; 24 VAC is only option available.

**ERG** No text required.

**NMK** No text required.

**PW** No text required.

**TGA** If connector is required, must be stated “with S connector” or “with CES connector”; valve voltage must be specified “24 VAC valves”; 24 VAC is only option available.

**BLANK** Assumes 120 VAC valves with 150 Va, 120 VAC valve transformer.