

General Specifications

Attribute	Value
Off-state voltage, max	31.2V DC
Terminal base screw torque	Determined by installed terminal base
Keyswitch position	2
Indicators (field side indication)	8 yellow status indicators - T794-088, T794-088EP 8 red fault indicators - T794-088EP 16 yellow status indicators - T794-0816, T794-0816P 32 yellow status indicators - T794-0832P
External DC power supply voltage, nom	24V DC
External DC power voltage range	10...31.2V DC (includes 5% AC ripple) - T794-0816P, T794-0832P 19.2...31.2V DC (includes 5% AC ripple) - T794-088, T794-088EP, T794-0816
External DC power supply current	25 mA @ 24V DC (10...35 mA) - T794-088 80 mA @ 24V DC - T794-088EP 48 mA @ 24V DC (20...65 mA) - T794-0816 60 mA @ 24V DC (25...75 mA) - T794-0816P (see Figure 5) 218 mA @ 24V DC (104 mA @ 10V DC; 278 mA @ 31.2V DC) - T794-0832P
Wiring category ⁽¹⁾	2 - on signal ports
Wire size	Determined by installed terminal base
Dimensions, approx. (H x W x D) (with module installed)	94 x 94 x 69 mm (3.7 x 3.7 x 2.7 in.)
Weight, approx.	73 g (2.57 oz.) - T794-088 104 g (3.66 oz.) - T794-088EP 78 g (2.75 oz.) - T794-0816 74 g (2.61 oz.) - T794-0816P 85 g (2.99 oz.) - T794-0832P
Enclosure type rating	None (open-style)
North American temp code	T4A - T794-088, T794-088EP, T794-0816 T3C - T794-0816P, T794-0832P
UKEX/ATEX temp code	T4 - T794-088, T794-088EP, T794-0816 T3 - T794-0816P
IECEx temp code	T4 - T794-088, T794-088EP, T794-0816 T3 - T794-0816P

(1) Use this Conductor Category information for planning conductor routing. See the Industrial Automation Wiring and Grounding Guidelines, publication 1770-5.1.

Environmental Specifications

Attribute	Value
Temperature, operating	IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock): -20...+55 °C (-4...+131 °F) - T794-088, T794-088EP, T794-0816, T794-0816P 0...55 °C (32...131 °F) - T794-0832P
Temperature, surrounding air, max.	55 °C (131 °F)
Temperature, nonoperating	IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock): -40...+85 °C (-40...+185 °F)
Relative humidity	IEC 60068-2-30 (Test Db, Unpackaged Damp Heat): 5...95% non-condensing
Vibration	IEC 60068-2-6 (Test Fc, Operating): 5 g @ 10...500 Hz
Shock, operating	IEC 60068-2-27 (Test Ea, Unpackaged shock): 30 g
Shock, nonoperating	IEC 60068-2-27 (Test Ea, Unpackaged shock): 50 g
Emissions	CISPR 11: Group 1, Class A (with appropriate enclosure)
ESD immunity	IEC 61000-4-2: 6 kV contact discharges 8 kV air discharges
Radiated RF immunity	IEC 61000-4-3: 10V/m with 1 kHz sine-wave 80% AM from 80...6000 MHz