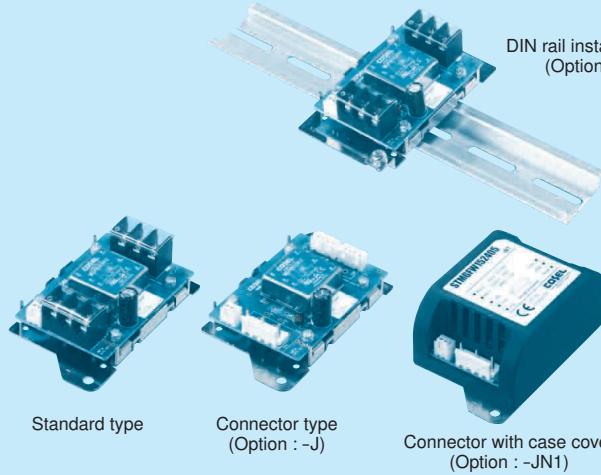


STMGFW15

STMGF W 15 24 05 -□

① ② ③ ④ ⑤ ⑥


DIN rail installation type
(Option : -N2)

- ① Series name
- ② Dual output
- ③ Output wattage
- ④ Input voltage
- ⑤ Output voltage
- ⑥ Optional
 - G : Capacitor between Input and Output is removed.
 - R : with Remote ON/OFF (Positive logic control)
 - J : Input/Output Connector
 - JN1 : Connector with case cover
 - N2 : With DIN rail installation type
 - JN3 : Connector with cover(plastic) and DIN rail installation type

*When the option is set specifications may vary.

*Please remove short piece on CN4 to enable remote ON/OFF function.

MODEL		STMGFW152405	STMGFW152412	STMGFW152415	STMGFW154805	STMGFW154812	STMGFW154815
MAX OUTPUT WATTAGE[W]		15	15.6	15	15	15.6	15
DC OUTPUT	VOLTAGE[V]	*1 ±5 or +10	*1 ±12 or +24	*1 ±15 or +30	*1 ±5 or +10	*1 ±12 or +24	*1 ±15 or +30
	CURRENT[A]	1.5	0.65	0.5	1.5	0.65	0.5

SPECIFICATIONS

	MODEL	STMGFW152405	STMGFW152412	STMGFW152415	STMGFW154805	STMGFW154812	STMGFW154815
INPUT	VOLTAGE[V]	DC9 - 36			DC18 - 76		
	CURRENT[A]	*2 0.74typ	0.74typ	0.70typ	0.37typ	0.37typ	0.36typ
	EFFICIENCY[%]	*2 84typ	88typ	89typ	84typ	87typ	88typ
OUTPUT	VOLTAGE[V]	±5(+10)	±12(+24)	±15(+30)	±5(+10)	±12(+24)	±15(+30)
	CURRENT[A]	1.5	0.65	0.5	1.5	0.65	0.5
	LINE REGULATION[mV]	40max	60max	75max	40max	60max	75max
	LOAD REGULATION[mV]	*3 500max *5	600max	750max	500max *5	600max	750max
		*4 250max	480max	600max	250max	480max	600max
	RIPPLE[mVp-p]	0 to +60℃ 100max	100max	100max	100max	100max	100max
		-20 to +60℃ 120max	120max	120max	120max	120max	120max
	RIPPLE NOISE[mVp-p]	0 to +60℃ 150max	150max	150max	150max	150max	150max
		-20 to +60℃ 200max	200max	200max	200max	200max	200max
	TEMPERATURE REGULATION[mV]	0 to +60℃ 50max	150max	180max	50max	150max	180max
		-20 to +60℃ 80max	240max	290max	80max	240max	290max
PROTECTION CIRCUIT AND OTHERS	DRIFT[mV]	*7 50max	50max	60max	50max	50max	60max
	START-UP TIME[ms]	30max (Minimum input, Io=100%)					
	OUTPUT VOLTAGE SETTING[V]*8	4.93 - 5.24	11.76 - 12.50	14.60 - 15.51	4.93 - 5.24	11.76 - 12.50	14.60 - 15.51
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically					
ISOLATION	REMOTE ON/OFF	Provided (Negative logic L:ON, H:OFF)					
	INPUT · RC-OUTPUT	DC1,500V 1minute, Cutoff current = 10mA, DC500V 1,000MΩ min (20±15℃)					
	INPUT · RC-FG	DC1,000V 1minute, Cutoff current = 10mA, DC500V 1,000MΩ min (20±15℃)					
ENVIRONMENT	OUTPUT-FG	DC1,000V 1minute, Cutoff current = 10mA, DC500V 1,000MΩ min (20±15℃)					
	OPERATING TEMP., HUMID. AND ALTITUDE	-20 to +70℃, 20 to 95%RH (Non condensing) (Required Derating), 3,000m (10,000feet) max					
	STORAGE TEMP., HUMID. AND ALTITUDE	-20 to +75℃, 20 to 95%RH (Non condensing), 9,000m (30,000feet) max					
	VIBRATION	10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 60minutes each along X, Y and Z axis					
SAFETY	IMPACT	196.1m/s ² (20G), 11ms, once each along X, Y and Z axis					
	AGENCY APPROVALS	UL60950-1, C-UL, EN60950-1 Complies					
OTHERS	CASE SIZE/WEIGHT	52×27×93mm [2.05×1.06×3.66 inches] (W×H×D) / 110g max (When the option is set, refer to the page STMG-9)					
	COOLING METHOD	Convection/Forced air					

*1 Single output +10V, +24V, +30V with no use of COM.

*2 Rated input 12V, 24V or 48V DC Io=100%

*3 Symmetrical loading from 5% to 100%.

*4 Symmetrical loading from 20% to 100%.

*5 Refer to the instruction manual 6.

*6 Measured by 100MHz oscilloscope or Ripple-Noise meter (Equivalent to KIKUSUI-GIKEN : RM103).

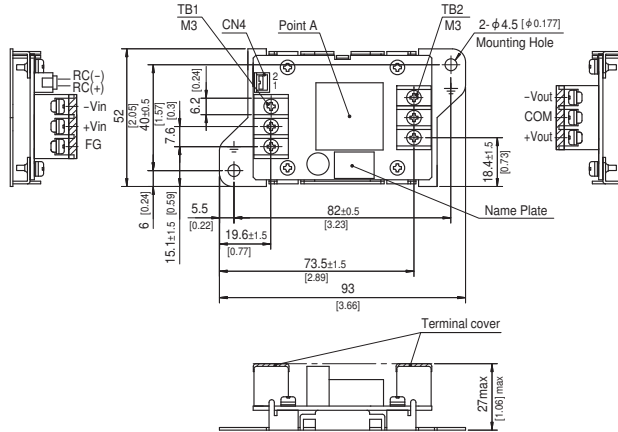
*7 Drift is the DC output accuracy for eight hours period after a half-hour warm-up at 25℃.

*8 Rated input voltage (DC24V, DC48V), rated output wattage, ambient temperature at 25℃. Parallel operation with other model is not possible.

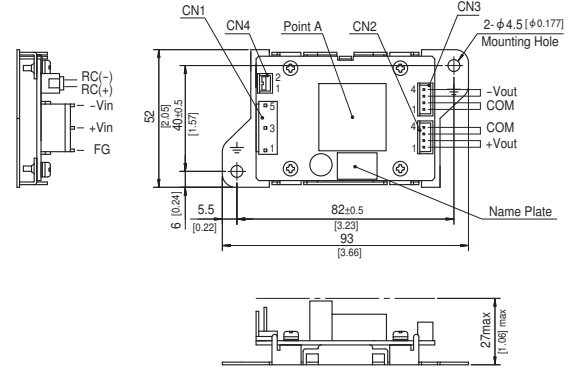
External view

Standard type

* External view of option G, R are the same as standard model.



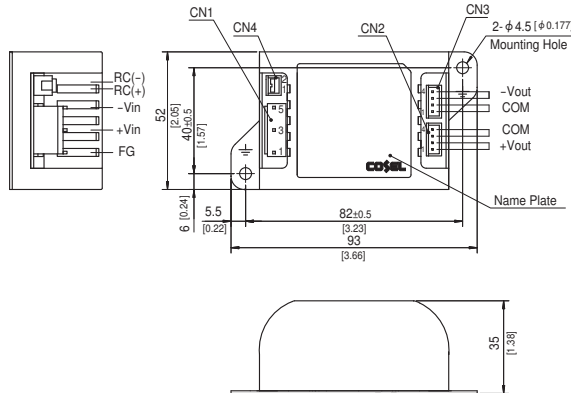
Connector type (-J)



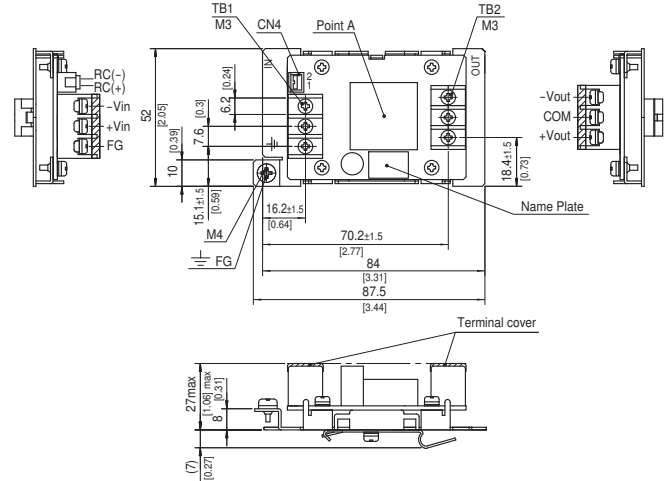
STMG

Case cover and connector type (-JN1)

* The specifications of terminal block and Case cover type can not be set.



DIN rail installation type (-N2)



	I/O Connector		Mating Connector	Terminal
Connector Type Input	CN1	B3P5-VH	VHR-5N	Chain : SVH-21T-P1.1 Loose : BVH-21T-P1.1
Connector Type Output	CN2, CN3	B4B-XH	XHP-4	Chain : SXH-001T-P0.6 Loose : BXH-001T-P0.6
Remote ON/OFF	CN4	B2B-XH	XHP-2	Chain : SXH-001T-P0.6 Loose : BXH-001T-P0.6

(Mfr.:J.S.T.)

- * Tolerance ± 1
- * Dimensions in mm, []=inches
- * Weight : Standard & Connector type 110g max
Case cover & DIN rail installation type 120g max
- * PCB material / thickness : FR-4 / 1.6mm
- * Mounting plate : Iron (surface finishing : nickel plating) $t=1.0$ [0.04]
- * Case : PBT
- * Terminal block screw tightening torque M3 : $0.8N \cdot m$ (8.5kgf $\cdot$ cm) max
- * CN4 has been installed jumper as factory setting (Except option R).
When remote ON/OFF is used , please remove the installed jumper.
- * Connector Type : Keep drawing current per pin below 2.5A for CN2,CN3.