



## Overload Relay TF96-68 SETTING

**RANGE : 57A~58A**

URL:<https://www.sxplc.com/overload-relay-tf96-68-setting-range-57a-58a>

### Product data sheet

Dimensions

Product Net Width:

69.9 mm

Product Net Height:

106.9 mm

Product Net Depth / Length:

106.3 mm

Product Net Weight:

0.52 kg

Technical

Setting Range:

57 ... 68 A

Rated Operational Voltage:

Auxiliary Circuit 600 V AC/DC

Main Circuit 690 V AC

Main Circuit 440 V DC

Rated Operational Current (I<sub>e</sub>):

68 A

Rated Frequency (f):

Auxiliary Circuit 50 Hz

Auxiliary Circuit 60 Hz

Auxiliary Circuit DC

Main Circuit 50 Hz

Main Circuit 60 Hz

Rated Impulse Withstand Voltage (Uimp):

Auxiliary Circuit 6 kV

Main Circuit 8 kV

Rated Insulation Voltage (Ui):

690 V

Number of Poles:

3

Number of Auxiliary Contacts NC:

1

Number of Auxiliary Contacts NO:

1

Number of Protected Poles:

3

Conventional Free-air Thermal Current (Ith):

Auxiliary Circuit NC 6 A

Auxiliary Circuit NO 4 A

Rated Operational Current AC-15 (Ie):

(120 V) NC 3 A

(120 V) NO 0.5 A

(240 V) NC 3 A

(240 V) NO 0.5 A

(400 V) NC 0.75 A

(400 V) NO 0.5 A

(500 V) NC 0.75 A

(500 V) NO 0.5 A

Rated Operational Current DC-13 (Ie):

(125 V) NC 0.55 A

(125 V) NO 0.55 A

(24 V) NC 1.25 A

(24 V) NO 1.25 A

(250 V) NC 0.27 A

(250 V) NO 0.27 A

(500 V) NC 0.15 A

(500 V) NO 0.15 A

(60 V) NC 0.55 A

(60 V) NO 0.55 A

Degree of Protection:

Housing IP20

Main Circuit Terminals IP10

Pollution Degree:

3

Connecting Capacity Auxiliary Circuit:

Flexible with Ferrule 1/2x 0.75 ... 2.5 mm<sup>2</sup>

Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm<sup>2</sup>

Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm<sup>2</sup>

Flexible 1/2x 0.75 ... 1 mm<sup>2</sup>

Flexible 1/2x 1 ... 2.5 mm<sup>2</sup>

Rigid 1/2x 0.75 ... 4 mm<sup>2</sup>

Connecting Capacity Main Circuit:

Flexible with Ferrule 1/2x 6 ... 35 mm<sup>2</sup>

Flexible with Ferrule 1x 6 ... 50 mm<sup>2</sup>

Flexible with Insulated Ferrule 1/2x 6 ... 16 mm<sup>2</sup>

Flexible with Insulated Ferrule 1x 6 ... 50 mm<sup>2</sup>

Flexible 1/2x 6 ... 35 mm<sup>2</sup>

Flexible 1x 6 ... 50 mm<sup>2</sup>

Rigid 1/2x 6 ... 35 mm<sup>2</sup>

Rigid 1x 6 ... 50 mm<sup>2</sup>

Tightening Torque:

Auxiliary Circuit 1 ... 1.2 N·m

Main Circuit 6.0 ... 9.0 N·m

Wire Stripping Length:

Auxiliary Circuit 9 mm

Main Circuit 20 mm

Recommended Screw Driver:

Auxiliary Circuit Pozidriv 2

Main Circuit Hexagon 4

Mounting Position:

1 ... 6

Power Loss:

at Rated Operating Conditions per Pole 3.2 ... 4.6 W

Suitable For:

AF80

AF96

Standards:

IEC/EN 60947-1

IEC/EN 60947-4-1

IEC/EN 60947-5-1

UL 60947-1

UL 60947-4-1

IEC 60335-2-40 A2L

Technical UL/CSA

Maximum Operating Voltage UL/CSA:

Main Circuit 600 V AC

Contact Rating UL/CSA:

(NC:) B600

(NC:) Q600

(NO:) Q600

(NO:) D300

Connecting Capacity Main Circuit UL/CSA:



Flexible 1x 8-1 AWG

Flexible 2x 8-3 AWG

Stranded 1x 8-1 AWG

Stranded 2x 8-3 AWG

Connecting Capacity Auxiliary Circuit UL/CSA:

Flexible 1/2x 18-12 AWG

Stranded 1/2x 18-12 AWG

Tightening Torque UL/CSA:

Auxiliary Circuit 9 ... 11 in·lb

Main Circuit 53 ... 80 in·lb

