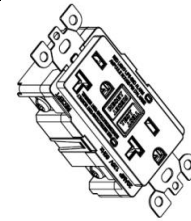


Product Specification

Product code: TS20

Description: 20 Amp GFCI with Self-Test Function

Performance Requirements: Contains the required Supervisory Circuit with the Auto-Monitoring Function as noted by UL943, effective June 29, 2015.



Parameter	Symbol	Condition	Min.	Nom.	Max.	Comments.	Unit
Input Voltage	VAC		102	120	132		VAC
Frequency	Hz		/	60	/		Hz
Front Receptacle Current	IAC	120V AC Nominal	/	20	/		A
Pass Through Current	IAC	120V AC Nominal	/	20	/		A
Trip Fault Current	IAC	125V AC	4		6		mA
Trip Time	Seconds			0.025			s
Auto-Monitoring Function Test Power-up Test Interval	Seconds			1			s
Auto-Monitoring Function Test Repeat Test Interval	Miniutes		1	5	10		m
Auto-Monitoring Function Test Detection and EOF LED Flash Rate	Hz		0.1	1	3		Hz

Mechanical Requirements

Parameter	Symbol	Schollum	Min.	Nom.	Max.	Comments.	Unit
Length	L	\		105			mm
Width	W	\		44.6			mm
Height	Hz	\		42.6			mm
Weight	WT	\		123.5			g

Material Requirements

Part	Quantity (pcs)	Material/Description	
Front Receptacle color	1	White	
Back enclosure color	1	Grey	
End of life indicator	1	High Brightness Red LED	

Front Cover	1	R/C Plastic(QMFZ2),Manufactured by Sabic Innovative Plastics-E121562),designated 241R(f2)	
Mounting Yoke	1	Nickel or Zinc plated steel,1.2mm thick	
Grounding Terminal	1	Plated steel	
Hot Wire Screw	1	Nickel plate steel	
Screw pressure Plate	1	Steel 10.1*10.1*1.8 mm	
Rear Cover	1	R/C Plastic,Normal thickness 1.20mm	
Fastening Screw	1	Nickel plate steel	
Reset Button	1	R/C Plastic(QMFZ2),Manufactured by Sabic Innovative Plastics-E121562),designated 241R(f2)	
Test Button	1	R/C Plastic(QMFZ2),Manufactured by Sabic Innovative Plastics-E121562),designated 241R(f2)	
Wire Braid (line)	1	Copper braided wire	
Neutral wire screw	1	Nickel plate steel	
Fairchild GFCI IC's	1 ea	RV4141AM LGL01	
Printed Wiring Board	1	R/C PWB(ZPMV2),CS-4(E248474),94V-0, rated 130°C.Overall dimensions 39.2*66.0*1.5mm	

Application Requirements

Item	Specification
UL 943 (Meet 2015 requirements)	Class A GFCI
Accepted Terminal Wire Size	12 gauge to 14 gauge
Wiring Type	Rear pressure plate and side wiring
Flammability	Rated V-2 per UL 943
Operating Temperature	-35°C to 66°C
Operating Humidity	30-93%

Product Marking Requirements

Parameter	Description or Reference Document
UL Marking and Labels	Labels and marking as required by UL File E473989
Manufactory Brad Markings	LGL in center of back housing.
Date Code Marking	On each individual product,Date code Schema(YY WW=year(2 Digits),week(2 Digits)