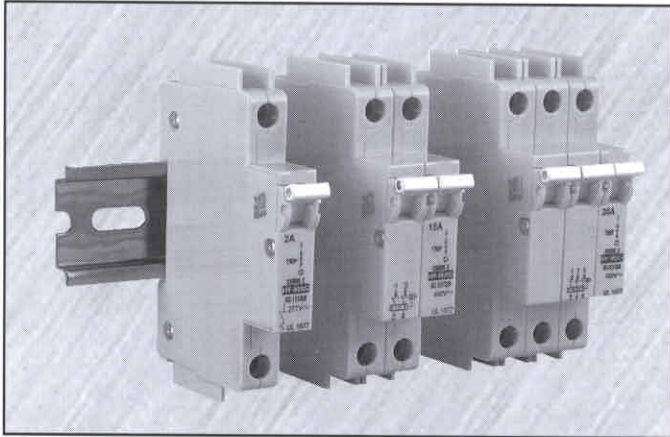


## Miniature Circuit Breakers - QZ Series



### QZ Series

This family of supplementary protectors is intended for use as overcurrent, or over- or under-voltage protection within electrical equipment where branch circuit overcurrent protection is already provided, or is not required.

### Features

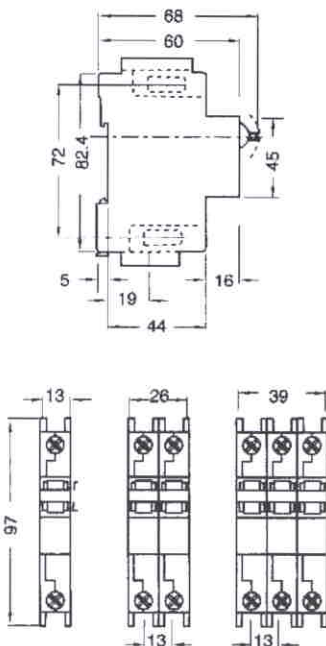
- UL 1077 File E157194
- Convenient DIN Rail Mounting
- Compact Housing Design Only 13 mm
- Single, Two, Three Pole
- Shock-Proof Connections
- Easy To Wire, Clamp Connections
- Other Configurations Available Upon Request
- 10 Year Warranty

### QZ Time Delay

Curve	Limits	Percentage of Rated Current						
		130	150	200	400	600	800	1000
2	Min. (sec)	20	15	7	1	0.09	0.004	0.004
2	Max. (sec)	600	150	40	6	2	0.9	0.15

Trip time listed in seconds.

### QZ Series Dimensions



### Technical Data

Number of Poles	1, 2, 3
Max. Voltage	277/480V, 50/60 Hz
Min. Amp Rating	1 Amp
Max Amp Rating	50 Amp
Interrupting Capacity	5000A@120V 1000A@277V 1000A@480V
Dielectric Strength	1960V 50/60 Hz
Insulation Resistance	100 Megaohm
Operating Temp. Range	-40°C to +60°C

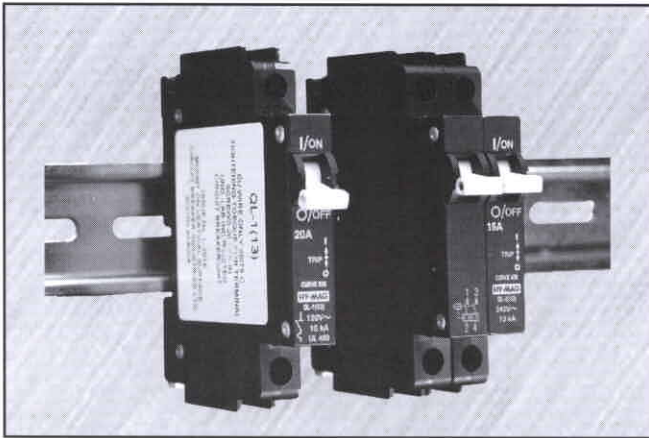
### Ordering Information

Rated Current	Single Pole		Two Pole		Three Pole	
	Catalog Number	Pcs/Pkg	Catalog Number	Pcs/Pkg	Catalog Number	Pcs/Pkg
1A	QZ113D 201	12	QZ213D 201	6	QZ313D 201	4
2A	QZ113D 202	12	QZ213D 202	6	QZ313D 202	4
5A	QZ113D 205	12	QZ213D 205	6	QZ313D 205	4
10A	QZ113D 210	12	QZ213D 210	6	QZ313D 210	4
15A	QZ113D 215	12	QZ213D 215	6	QZ313D 215	4
20A	QZ113D 220	12	QZ213D 220	6	QZ313D 220	4
25A	QZ113D 225	12	QZ213D 225	6	QZ313D 225	4
30A	QZ113D 230	12	QZ213D 230	6	QZ313D 230	4
40A	QZ113D 240	12	QZ213D 240	6	QZ313D 240	4
50A	QZ113D 250	12	QZ213D 250	6	QZ313D 250	4

Note: Other current rating and trip curves available upon request.

To locate additional product specifications and technical drawings go to [www.asi-ez.com](http://www.asi-ez.com)

## Miniature Circuit Breakers - QL Series



### QL Series

These circuit breakers are specifically intended to provide service entrance, feeder, and branch circuit protection.

### Features

- UL 489 File E192487
- Convenient DIN Rail Mounting
- Compact Housing Design Only 13 mm
- One or Two Pole
- Shock-Proof Connections
- Easy To Wire, Clamp Connections
- Other Configurations Available Upon Request
- 10 Year Warranty

### QL Time Delay

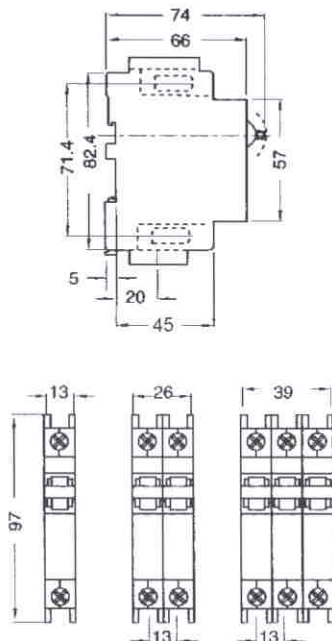
Curve	Limits	Percentage of Rated Current						
		125	150	200	400	600	800	1000
KM	Min. (sec)	15	8	4	0.7	0.09	0.007	0.005
KM	Max.(sec)	300	90	28	4	1.5	0.5	0.4

Trip time listed in seconds.

### Technical Data

Number of Poles	1, 2
Max. Voltage	120/240V, 50/60 Hz
Min. Amp Rating	.5 Amp
Max Amp Rating	25 Amp
Interrupting Capacity	10,000A
Dielectric Strength	1500V, 50/60 Hz
Insulation Resistance	100 Megaohm
Operating Temp. Range	-40°C to +60°C

### QL Series Dimensions



### Ordering Information

Rated Current	Single Pole		Two Pole	
	Catalog Number	Pcs/Pkg	Catalog Number	Pcs/Pkg
.5 A	QL113D MK M 0.5	12	-	-
1A	QL113D MK M 01	12	-	-
2A	QL113D MK M 02	12	-	-
3A	QL113D MK M 03	12	-	-
5A	QL113D MK M 05	12	QL213D MK M 05	6
10A	QL113D MK M 10	12	QL213D MK M 10	6
15A	QL113D MK M 15	12	QL213D MK M 15	6
20A	QL113D MK M 20	12	QL213D MK M 20	6
25A	QL113D MK M 25	12	QL213D MK M 25	6

Note: Other current ratings and trip curves available upon request.

To locate additional product specifications and technical drawings go to [www.asi-ez.com](http://www.asi-ez.com)