

Thermal overload relays, Class 20

22A



GTk-22/L

Description

- Direct mount on the GM-9, 12, 18, 22 contactors (9, 12, 18, 22A frames)
- DIN rail or screw mountable with the optional base AZ-22H
- Small physical size : 44 mm wide
- 1NO+1NC trip contacts
- Trip class 20
- Differential current/Phase failure protection
- Ambient compensated -5 to 40°C
- Manual/Automatic reset
- Trip free design
- Bimetallic style



Base for
separate
mount
AZ-22H

GM-9
GM-12
GM-18
GM-22

Separate
mount

Direct
mount



GTk-22/L

Catalog No.

Setting ranges(A)	Class 20
	3-heater
1 - 1.6	GTk-22/L · 1.3
1.6 - 2.5	GTk-22/L · 2.1
2.5 - 4	GTk-22/L · 3.3
4 - 6	GTk-22/L · 5
5 - 8	GTk-22/L · 6.5
6 - 9	GTk-22/L · 7.5
7 - 10	GTk-22/L · 8.5
9 - 13	GTk-22/L · 11
12 - 18	GTk-22/L · 15
16 - 22	GTk-22/L · 19

Connection

Main	Screw(M4) clamp terminal
(Load)	Cable capacity : 1.25~5.5mm ² / ϕ 1.6~2.6
Auxiliary	Screw(M3.5) clamp terminal

Ordering information

Specify catalog number

For more information

- Technical specification ➔ page 123~158
- Drawings ➔ page 178
- Contactors ➔ page 28
- Starters ➔ page 51
- Separate mounting unit ➔ page 174
- Electronic overload relay ➔ page 100
- Operating curves ➔ page 153

Certificate

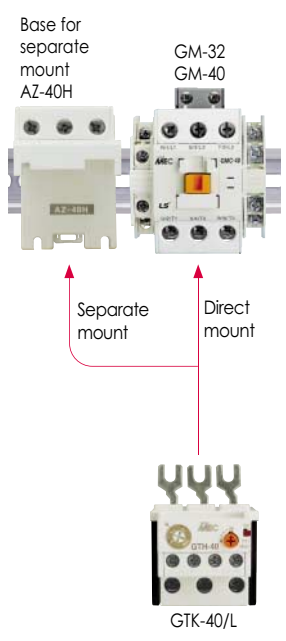
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CCC(China)



GTK-40/L

Description

- Direct mount on the GM-32, 40 contactors (32, 40A frames)
- DIN rail or screw mountable with the optional base AZ-40H
- Small physical size : 53 mm wide
- 1NO+1NC trip contacts
- Trip class 20
- Differential current/Phase failure protection
- Ambient compensated -5 to 40°C
- Manual/Automatic reset
- Trip free design
- Bimetallic style



Catalog No.

Setting ranges(A)	Class 20 3-heater
4 - 6	GTK-40/L · 5
5 - 8	GTK-40/L · 6.5
6 - 9	GTK-40/L · 7.5
7 - 10	GTK-40/L · 8.5
9 - 13	GTK-40/L · 11
12 - 18	GTK-40/L · 15
16 - 22	GTK-40/L · 19
18 - 26	GTK-40/L · 22
24 - 36	GTK-40/L · 30
28 - 40	GTK-40/L · 34

Connection

Main (Load)	Screw(M5) clamp terminal
	Cable capacity : 2~14mm ² / ϕ 1.6~3.6
Auxiliary	Screw(M3.5) clamp terminal

Ordering information

Specify catalog number

For more information

- Technical specification → page 123~158
- Drawings → page 178
- Contactors → page 30
- Starters → page 51
- Separate mounting unit → page 174
- Electronic overload relay → page 102
- Operating curves → page 153

Certificate
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Thermal overload relays, Class 20

85A



GTK-85/L

Description

- Direct mount on the GM-50, 65, 75, 85 contactors (50, 65, 75, 85A frames)
- DIN rail or screw mountable with the optional base AZ-85H
- Small physical size : 70 mm wide
- 1NO+1NC trip contacts
- Trip class 20
- Differential current/Phase failure protection
- Ambient compensated -5 to 40°C
- Manual/Automatic reset
- Trip free design
- Bimetallic style



Base for
separate
mount
AZ-85H

GM-50
GM-65
GM-75
GM-85

Separate
mount

Direct
mount



GTK-85/L

Catalog No.

Setting ranges(A)	Class 20
	3-heater
7 - 10	GTK-85/L · 8.5
9 - 13	GTK-85/L · 11
12 - 18	GTK-85/L · 15
16 - 22	GTK-85/L · 19
18 - 26	GTK-85/L · 22
24 - 36	GTK-85/L · 30
28 - 40	GTK-85/L · 34
34 - 50	GTK-85/L · 42
45 - 65	GTK-85/L · 55
54 - 75	GTK-85/L · 65
63 - 85	GTK-85/L · 74

Connection

Main (Load)	up to 50A	Screw(M6) clamp terminal Cable capacity : 2~22mm ²
	above 50A	Screw(M8) clamp terminal Cable capacity : 2~38mm ²
Auxiliary		Screw(M3.5) clamp terminal

Ordering information

Specify catalog number

For more information

- Technical specification → page 123~158
- Drawings → page 178
- Contactors → page 32
- Starters → page 51
- Separate mounting unit → page 172
- Electronic overload relay → page 104
- Operating curves → page 155

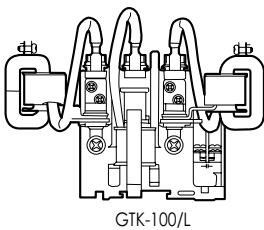
Certificate

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Description

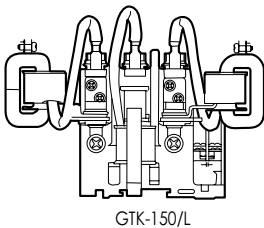
- Directly mountable to the contactors with brackets and connectors.
 GT-100 for GMC-100, 125 contactors (100, 125A frames)
 GT-150 for GMC-150 contactor (150A frame)
- 1NO+1NC trip contacts
- Trip class 20
- Differential current/Phase failure protection
- Ambient compensated -5 to 40°C
- Manual/Automatic reset
- Trip free design
- Bimetallic style

Catalog No. for 100A frame



Setting ranges(A)	Class 20
	3-heater
34 - 50	GTK-100/L · 41
39 - 57	GTK-100/L · 48
43 - 65	GTK-100/L · 56
54 - 80	GTK-100/L · 67
65 - 100	GTK-100/L · 80
85 - 125	GTK-100/L · 107

Catalog No. for 150A frame



Setting ranges(A)	Class 20
	3-heater
34 - 50	GTK-150/L · 41
39 - 57	GTK-150/L · 48
43 - 65	GTK-150/L · 56
54 - 80	GTK-150/L · 67
65 - 150	GTK-150/L · 80
85 - 125	GTK-150/L · 107
100 - 150	GTK-150/L · 130

Connection

Main (Load)	Screw(M8) clamp terminal
	Cable capacity : 2~100mm ²
Auxiliary	Screw(M4) clamp terminal

Ordering information

Specify catalog number

For more information

- Technical specification → page 123~158
- Drawings → page 179
- Contactors → page 34
- Starters → page 51
- Operating curves → page 155

Certificate

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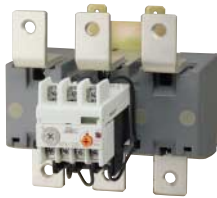
Thermal overload relays, Class 20

220A 400A

Description

- Directly mountable to the contactors
 - GT-220 for GMC-180, 220 contactors (180, 220A frames)
 - GT-400 for GMC-300, 400 contactors (300, 400A frames)
- 1NO+1NC trip contacts
- Trip class 20
- Differential current/Phase failure protection
- Ambient compensated -5 to 40°C
- Manual/Automatic reset
- Trip free design
- Bimetallic style
- CT operated type

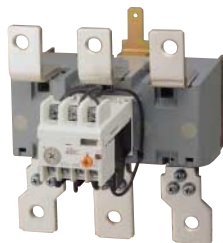
Catalog No. for 220A frame



GTK-220/L

Setting ranges(A)	Class 20
	3-heater
65 - 100	GTK-220/L · 80
85 - 125	GTK-220/L · 107
100 - 160	GTK-220/L · 130
120 - 180	GTK-220/L · 150
160 - 240	GTK-220/L · 200

Catalog No. for 400A frame



GTK-400/L

Setting ranges(A)	Class 20
	3-heater
85 - 125	GTK-400/L · 107
100 - 160	GTK-400/L · 130
120 - 180	GTK-400/L · 150
160 - 240	GTK-400/L · 200
200 - 300	GTK-400/L · 250
260 - 400	GTK-400/L · 350

Connection

Main (Load)	GT-220	Screw(M10) clamp terminal Cable capacity : 2~150mm ²
	GT-400	Screw(M12) clamp terminal Cable capacity : 2~200mm ²
Auxiliary		Screw(M3.5) clamp terminal

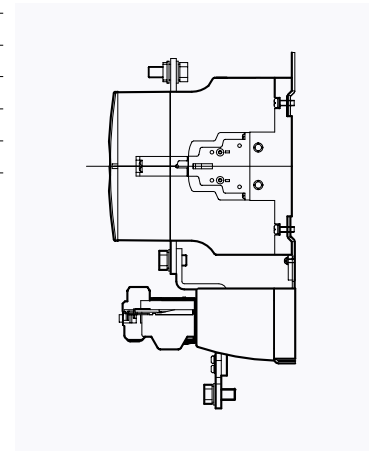
Ordering information

Specify catalog number

For more information

- Technical specification ➔ page 123~158
- Drawings ➔ page 179
- Contactors ➔ page 36
- Starters ➔ page 51
- Operating curves ➔ page 155
- Terminal covers ➔ page 117

Direct mount to a contactor



Certificate
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Description

- Directly mountable to the contactors.
- 1NO+1NC trip contacts
- Trip class 20
- Differential current/Phase failure protection
- Ambient compensated -5 to 40°C
- Manual/Automatic reset
- Trip free design
- Bimetallic style
- CT operated type

Catalog No.



GTK-600/L

Setting ranges(A)	Class 20 3-heater
200 - 300	GTK-600/L · 250
260 - 400	GTK-600/L · 350
400 - 600	GTK-600/L · 500
520 - 800	GTK-600/L · 660

Connection

Main (Load)	Screw(M16) clamp terminal Cable capacity : 80~325mm ²
Auxiliary	Screw(M3.5) clamp terminal

Ordering information

Specify catalog number

For more information

- Technical specification → page 123~158
- Drawings → page 179
- Contactors → page 38
- Starters → page 51
- Operating curves → page 155
- Terminal covers → page 117

Certificate

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Direct mount to a contactor

