

Product Application

LWCT SERIES HOUSEHOLD AC CONTACTOR

LWCT series of household AC contactors (hereinafter referred to as contactors) are mainly used in AC 50Hz (or 60Hz), rated work voltage to 400V rated working current to 63A circuit, to control household appliances and similar uses of low-sense micro-sensing load; Can also be used to control household motor load, the control power should be reduced accordingly. Products used in the home, hotels, apartments and other places, to achieve automation functions, used in large-scale production of household appliances products. Meet the requirements of IEC/EN 61095

Product pictures



Main Specification

Ratings

| Model | Utilization category | Ui (V) | Ue (V~) | Conventional heating current (A) | Ie (A) | Controlled power (kW) |
|---------|----------------------|--------|---------|----------------------------------|--------|-----------------------|
| NCH8-20 | AC-1, AC-7a | 500 | 230 | 20 | 20 | 4 |
| NCH8-20 | AC-7b | 500 | 230 | 20 | 9 | 1.2 |
| NCH8-25 | AC-1, AC-7a | 500 | 400 | 25 | 25 | 16 |
| NCH8-40 | AC-1, AC-7a | 500 | 400 | 40 | 40 | 40 |
| NCH8-63 | AC-1, AC-7a | 500 | 400 | 63 | 63 | 40 |

Making and breaking capacity

| Model | Utilization category | Making and breaking conditions | | | Electrification time (s) | Interval time (s) | Operating cycle times |
|---------|----------------------|--------------------------------|-------|------|--------------------------|-------------------|-----------------------|
| | | Ic/Ie | Ur/Ue | COSΦ | | | |
| NCH8-20 | AC-1, AC-7a | 1.5 | 1.05 | 0.8 | 0.05 | 10 | 50 |
| NCH8-20 | AC-7b | 8 | 1.05 | 0.45 | 0.05 | 10 | 50 |
| NCH8-25 | AC-1, AC-7a | 1.5 | 1.05 | 0.8 | 0.05 | 10 | 50 |
| NCH8-40 | AC-1, AC-7a | 1.5 | 1.05 | 0.8 | 0.05 | 10 | 50 |
| NCH8-63 | AC-1, AC-7a | 1.5 | 1.05 | 0.8 | 0.05 | 10 | 50 |

Main Specification

Conventional operating performances of NCH8-20~25

| Utilization category | Making conditions | | | Breaking conditions | | | Electrification time (s) | Interval time (s) | Operating frequency |
|----------------------|-------------------|------|------|---------------------|------|------|--------------------------|-------------------|---------------------|
| | I/Ie | U/Ue | COSΦ | I/Ie | U/Ue | COSΦ | | | |
| AC-1 | 1.0 | 1.05 | 0.8 | 1.0 | 1.05 | 0.8 | 0.05 | 10 | 6000 |
| AC-7a | 1.0 | 1.05 | 0.8 | 1.0 | 1.05 | 0.8 | 0.05 | 10 | 30000 |
| AC-7b | 6.0 | 1.0 | 0.45 | 1.0 | 0.17 | 0.45 | 0.05 | 10 | 30000 |

Conventional operating performances of NCH8-40~63

| Utilization category | Making conditions | | | Electrification time (s) | Interval time (s) | Operating frequency |
|----------------------|-------------------|------|------|--------------------------|-------------------|---------------------|
| | I/Ie | U/Ue | COSΦ | | | |
| AC-1 | 1.0 | 1.05 | 0.8 | 0.05 | 10 | 6000 |
| AC-7a | 1.0 | 1.05 | 0.8 | 0.05 | 10 | 30000 |

Conventional heating current under different ambient temperature

| Rated current | 40°C | 50°C | 60°C | 70°C |
|---------------|------|------|------|------|
| Ie=20A | 20A | 18A | 16A | 14A |
| Ie=25A | 25A | 22A | 18A | 16A |
| Ie=40A | 40A | 38A | 36A | 32A |
| Ie=63A | 63A | 57A | 50A | 46A |

Number of appended lamps with voltage up to 230V

| Unit power | Tungsten filament and halogen 230V | | | | | |
|------------|------------------------------------|------|------|------|------|-------|
| | 60W | 100W | 200W | 300W | 500W | 1000W |
| 20A | 20 | 12 | 6 | 4 | 2 | 1 |
| 25A | 36 | 20 | 11 | 7 | 4 | 2 |
| 40A | 85 | 50 | 25 | 17 | 10 | 5 |
| 63A | 115 | 70 | 35 | 23 | 14 | 7 |

Overall and mounting dimensions (mm)

| Model | D | | L | L1 | L2 | H | H1 |
|------------|----|----|----|------|----|------|----|
| | 2P | 4P | | | | | |
| NCH8-20~25 | 18 | 36 | 85 | 35.5 | 45 | 65.5 | 50 |
| NCH8-40~36 | 36 | 54 | 85 | 35.5 | 45 | 65.5 | 50 |

Main Specification

