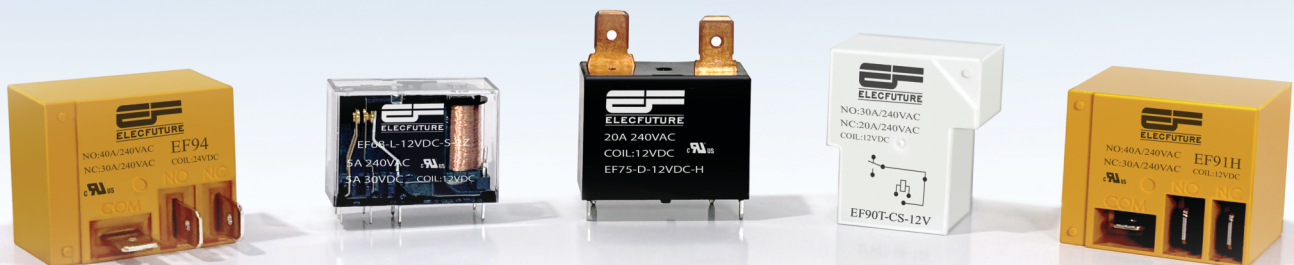
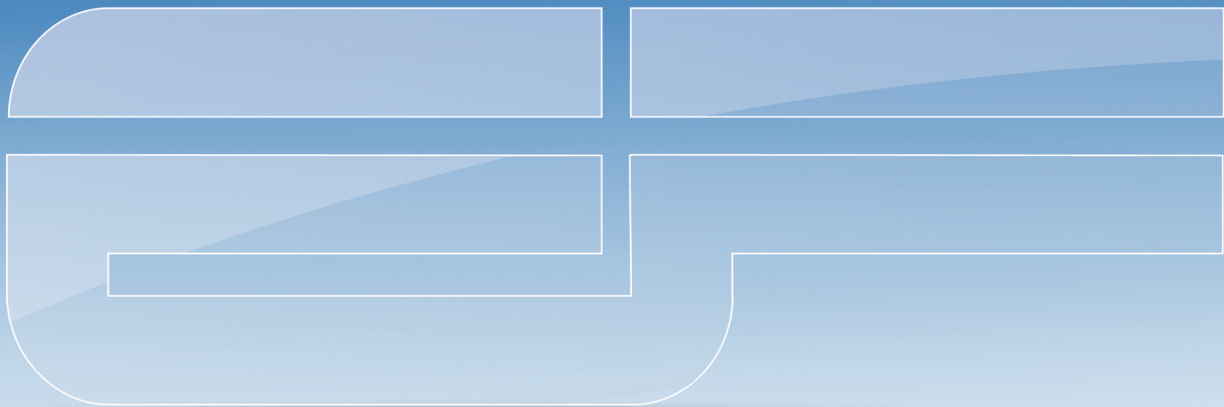




RELAYS

TELECOM - AUTOMOTIVE - POWER - PCB



DID YOU KNOW?

With a legacy of more than a decade we are on a path towards even smaller, faster, and more energy-efficient components, driving innovation in every sector.

We harness cutting-edge materials and manufacturing techniques to empower our electronic components and as technology races forward, our components will quietly continue their vital role, ensuring the reliability and efficiency of electronic circuits.

As an ISO 9001:2015 certified company we are committed to safety and sustainability and we have achieved important quality approvals, including:

- UL:** Certified for safety and performance.
- RoHS:** Ensuring products are free from hazardous substances.
- REACH:** Compliant with EU environmental regulations.



UL CERTIFICATE



ISO CERTIFICATE

CONTENT

- SUGAR CUBE RELAY

01



- TELECOM RELAY

02



- AUTOMOTIVE RELAY

03



- POWER RELAY

04



- INDUSTRIAL RELAY

05



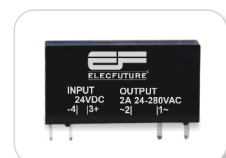
- PCB POWER RELAY

6-7



- SOLID STATE RELAY

08



EF5


19.0X 15.4 X 15.5 (H)_{MM}

7A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A,1C
Contact Capacity	7A 240VAC 10A 120VAC
Normal Coil Volt	3~48V(DC)
Dielectric Strength	750-1500VAC
Coil Power	0.36W,0.45W

EF9

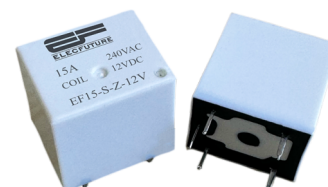

19.0 X 15.4 X 15.5 (H)_{MM}

10A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A,1C
Contact Capacity	10A 240VAC 12A 120VAC
Normal Coil Volt	3~48V(DC)
Dielectric Strength	750-1500VAC
Coil Power	0.36W,0.45W

EF15


20.3 X 16.6 X 20.6 (H)_{MM}

15A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A,1C
Contact Capacity	15A 240VAC 15A 30VDC
Normal Coil Volt	3~48V(DC)
Dielectric Strength	1000-1500VAC
Coil Power	0.36W

EF17


20.2X 16.5 X 20.0 (H)_{MM}

20A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A,1C
Contact Capacity	17A 240VAC 20A 277VAC
Normal Coil Volt	3~48V(DC)
Dielectric Strength	1000-2500VAC
Coil Power	0.36W,0.40W

EF23

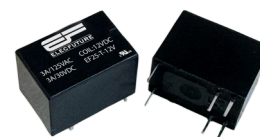

15.5 X 10.5 X 11.7 (H)_{MM}

3A

MAX SWITCHING CAPABILITY (120VAC)

CHARACTERSTICS	
Contact Form	1C
Contact Capacity	3A 240VAC
Normal Coil Volt	3~24V(DC)
Dielectric Strength	750-1500VAC
Coil Power	0.20W,0.36W,0.45W

EF25


15.5 X 10.5 X 11.7 (H)_{MM}

3A

MAX SWITCHING CAPABILITY (120VAC)

CHARACTERSTICS	
Contact Form	1C
Contact Capacity	3A 240VAC
Normal Coil Volt	3~24V(DC)
Dielectric Strength	750-1000VAC
Coil Power	0.20W,0.36W,0.45W

EF27



12.4X 7.4 X 10.0 (H)_{MM}

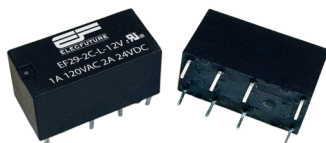


2A

MAX SWITCHING CAPABILITY (120VAC)

CHARACTERISTICS	
Contact Form	1C
Contact Capacity	1A 120VAC 2A 24VDC
Normal Coil Volt	3~24V(DC)
Dielectric Strength	400-1000VAC
Coil Power	0.15W,0.20,0.36W

EF29



20.5 X 10.0 X 11.8 (H)_{MM}



1A

MAX SWITCHING CAPABILITY (120VAC)

CHARACTERISTICS	
Contact Form	2C
Contact Capacity	1A 120VAC 2A 24VDC
Normal Coil Volt	3~48V(DC)
Dielectric Strength	500-1000VAC
Coil Power	0.15W,0.20,0.36W,0.45W

EF40



28.6 X 22.0 X 25.3 (H)_{MM}



40A

MAX SWITCHING CAPABILITY (14VDC)

CHARACTERISTICS	
Contact Form	1C,1A,1B,2A,2AU
Contact Capacity	40A 14VDC 30A 14VDC
Normal Coil Volt	12~36V(DC)
Dielectric Strength	500-500VAC
Coil Power	1.80W

EF40-P



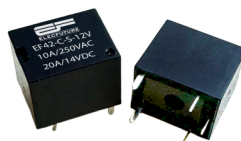
28.0X 28.0 X 25.0 (H)_{MM}

40A

MAX SWITCHING CAPABILITY (14VDC)

CHARACTERISTICS	
Contact Form	1A
Contact Capacity	40A 14VDC
Normal Coil Volt	6~24V(DC)
Dielectric Strength	500-750VAC
Coil Power	1.60,1.90W

EF42



15.5 X 12.1 X 13.7 (H)_{MM}

20A

MAX SWITCHING CAPABILITY (14VDC)

CHARACTERISTICS	
Contact Form	1A,1C
Contact Capacity	20A 14VDC
Normal Coil Volt	6~24V(DC)
Dielectric Strength	550-550VAC
Coil Power	0.36,0.60W,0.80W

EF44



26.2 X 26.2 X 21.0 (H)_{MM}

40A

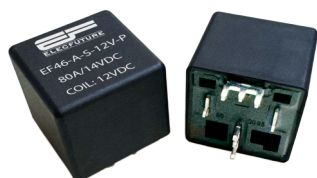
MAX SWITCHING CAPABILITY (14VDC)

CHARACTERISTICS	
Contact Form	1A,1C
Contact Capacity	40A 14VDC 30A 14VDC
Normal Coil Volt	3~24V(DC)
Dielectric Strength	500-500VAC
Coil Power	1.60W,1.90W

TELECOM

AUTOMOTIVE

▶ EF46-P



29.1X 29.1 X 25.3 (H)_{MM}

80A

MAX SWITCHING CAPABILITY (14VDC)

CHARACTERSTICS	
Contact Form	1A
Contact Capacity	80A 14VDC
Normal Coil Volt	6~24V
Dielectric Strength	500-500VAC
Coil Power	1.90W

▶ EF48



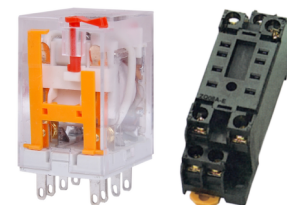
29.0 X 29.0 X 26.5 (H)_{MM}

70A

MAX SWITCHING CAPABILITY (14VDC)

CHARACTERSTICS	
Contact Form	1A,1C
Contact Capacity	70A 14VDC
Normal Coil Volt	12~24V
Dielectric Strength	500-500VAC
Coil Power	1.60W,1.80W,2.0W

▶ EF52



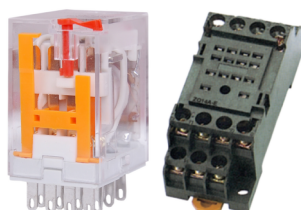
27.6 X 21.5 X 34.0 (H)_{MM}

5A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS	
Contact Form	2A,2C
Contact Capacity	5A 250VAC
Normal Coil Volt	5~110V(DC) 6~380V(AC)
Dielectric Strength	1000-1500VAC
Coil Power	0.90W

▶ EF54



27.6 X 21.5 X 34.0 (H)_{MM}

3A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS	
Contact Form	4A,4C
Contact Capacity	3A 250VAC
Normal Coil Volt	5~110V(DC) 6~380V(AC)
Dielectric Strength	1000-1500VAC
Coil Power	0.90W

▶ EF58



37.0 X 42.0 X 55.0 (H)_{MM}

40A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1C,1A
Contact Capacity	40A 240VAC
Normal Coil Volt	12~24V(DC)
Dielectric Strength	
Coil Power	1.20W

▶ EF60



29.3X 12.7 X 15.7 (H)_{MM}

12A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1C,1A
Contact Capacity	12A 250VAC 10A 30VDC
Normal Coil Volt	3~48V
Dielectric Strength	1000VAC-5000VAC
Coil Power	0.4W,0.75VA

▶ EF61



29.3 X 12.7 X 15.7 (H)_{MM}



16A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	1C,1A
Contact Capacity	16A 250VAC 12A 30VDC
Normal Coil Volt	3~48V
Dielectric Strength	1000VAC-5000VAC
Coil Power	0.4W,0.75VA

▶ EF62



29.3 X 12.7 X 15.7 (H)_{MM}



8A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	2C,2A
Contact Capacity	8A 250VAC 10A 30VDC
Normal Coil Volt	3~48V
Dielectric Strength	1000VAC-5000VAC
Coil Power	0.25W,0.4W,0.54W

▶ EF64



29.2 X 12.8 X 20.6 (H)_{MM}



10A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	1C,1A
Contact Capacity	10A 240VAC
Normal Coil Volt	3~48V
Dielectric Strength	1000VAC-4000VAC
Coil Power	0.72W,0.54W

▶ EF66



29.2 X 12.8 X 20.6 (H)_{MM}



16A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	1C,1A
Contact Capacity	16A 240VAC
Normal Coil Volt	3~48V
Dielectric Strength	1000VAC-4000VAC
Coil Power	0.72W,0.54W

▶ EF68



29.2X 12.8 X 20.6 (H)_{MM}



5A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	2A,2C
Contact Capacity	5A 250VAC 5A 30VDC
Normal Coil Volt	3~48V
Dielectric Strength	1000VAC- 5000VAC
Coil Power	0.24W,0.54W ,0.72W

▶ EF68H



29.2X 12.8 X 20.6 (H)_{MM}



8A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	2A,2C
Contact Capacity	8A 250VAC 5A 30VDC
Normal Coil Volt	3~110VDC
Dielectric Strength	1000VAC- 5000VAC
Coil Power	0.54W ,0.72W

▶ EF70



20.5 X 7.20 X 15.6 (H)_{MM}



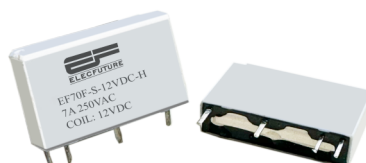
5A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1M
Contact Capacity	5A 250VAC
Normal Coil Volt	3~24V(DC)
Dielectric Strength	750VAC - 4000VAC
Coil Power	0.20W

▶ EF70F



20.0 X 5.0 X 12.5 (H)_{MM}



7A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	7A 250VAC
Normal Coil Volt	5~24V(DC)
Dielectric Strength	100VAC - 3000VAC
Coil Power	0.12W,0.18W

▶ EF72



18.2 X 10.2 X 15.5 (H)_{MM}



5A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A,1C
Contact Capacity	10A 125VAC 5A 250VAC
Normal Coil Volt	3~24V(DC)
Dielectric Strength	100VAC - 4000VAC
Coil Power	0.20W,0.45W

▶ EF72H



18.2 X 10.2 X 15.5 (H)_{MM}



10A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	10A 250VAC
Normal Coil Volt	3~24V(DC)
Dielectric Strength	100VAC - 4000VAC
Coil Power	0.20W,0.45W

▶ EF72N



18.2 X 10.2 X 15.5 (H)_{MM}



16A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	16A 250VAC
Normal Coil Volt	3~48V(DC)
Dielectric Strength	100VAC - 4000VAC
Coil Power	0.45W,0.80W

▶ EF74



20.5 X 10.2 X 15.5 (H)_{MM}



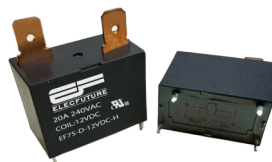
5A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	1A,1C
Contact Capacity	10A 120VAC 5A 240VAC
Normal Coil Volt	3~48V(DC)
Dielectric Strength	100VAC - 4000VAC
Coil Power	0.20W,0.45W

▶ EF75



30.1X 15.7 X 23.3 (H)_{MM}



20A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	20A 250VAC
Normal Coil Volt	5~48V(DC)
Dielectric Strength	1500VAC - 4500VAC
Coil Power	0.90,1.40W

▶ EF76



29.2 X 12.6 X 23.0(H)_{MM}



20A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	20A 250VAC
Normal Coil Volt	5~48V(DC)
Dielectric Strength	1000VAC - 5000VAC
Coil Power	0.54W

▶ EF76E



29.2 X 12.6 X 23.0(H)_{MM}



16A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	16A 250VAC
Normal Coil Volt	5~48V(DC)
Dielectric Strength	1000VAC - 5000VAC
Coil Power	0.54W

PCB POWER

▶ EF77



24.5X 10.5 X 25.0 (H)_{MM}



10A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	10A 250VAC
Normal Coil Volt	3~48V(DC)
Dielectric Strength	900VAC - 4000VAC
Coil Power	0.25W,0.54W

▶ EF78



30.4 X 15.8 X 23.3 (H)_{MM}



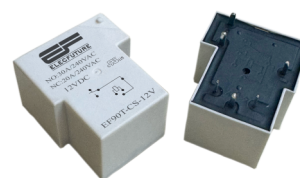
35A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	35A 250VAC
Normal Coil Volt	6~24V(DC)
Dielectric Strength	2500VAC - 4500VAC
Coil Power	1.4W

▶ EF90T



27.6 X 20.1 X 32.2 (H)_{MM}



30A

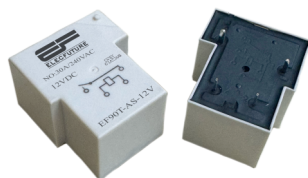
MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	1C
Contact Capacity	NO:30A 240VAC NC:20A 240VAC
Normal Coil Volt	5~110V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.90W

PCB POWER

▶ EF90T(1A)



27.6 X 20.1 X 32.2 (H)_{MM}

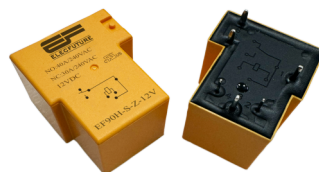


30A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A
Contact Capacity	NO:30A 240VAC
Normal Coil Volt	5~110V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.90W

▶ EF90H



27.4X 20.0 X 32.0 (H)_{MM}

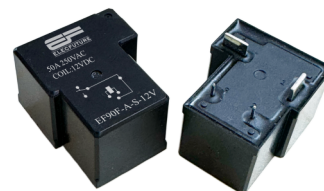


40A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A,1C
Contact Capacity	NO:40A 240VAC NC:30A 240VAC
Normal Coil Volt	5~110V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.93W

▶ EF90F



27.5 X 20.0 X 32.2 (H)_{MM}



50A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A
Contact Capacity	NO:50A 240VAC
Normal Coil Volt	12~24V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	1.20W

▶ EF91T



32.2 X 27.5 X 27.8 (H)_{MM}



30A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A,1C
Contact Capacity	NO:30A 240VAC NC:20A 240VAC
Normal Coil Volt	5~60V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.90W

▶ EF91H



32.0X 27.4 X 28.1 (H)_{MM}

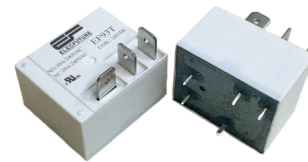


40A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1A,1C
Contact Capacity	NO:40A 240VAC NC:30A 240VAC
Normal Coil Volt	5~110V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.93W

▶ EF93T



32.2 X 27.5 X 19.8 (H)_{MM}



30A

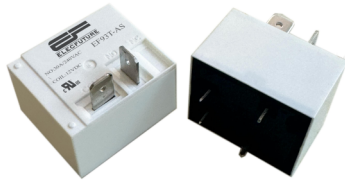
MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS	
Contact Form	1C
Contact Capacity	NO:30A 240VAC NC:20A 240VAC
Normal Coil Volt	5~60V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.90W

PCB POWER

PCB POWER

EF93T(1A)



32.2 X 27.5 X 19.8 (H)_{MM}



30A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	NO:30A 240VAC
Norminal Coil Volt	5~60V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.90W

EF94



32.0 X 27.4 X 19.3 (H)_{MM}



40A

MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	1C
Contact Capacity	NO: 40A 240VAC NC: 30A 240VAC
Norminal Coil Volt	5~110V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.93W

EF94(1A)



32.0 X 27.4 X 19.3 (H)_{MM}



40A

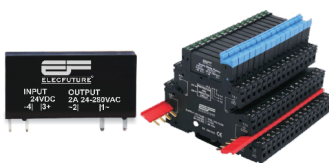
MAX SWITCHING CAPABILITY (240VAC)

CHARACTERSTICS

Contact Form	1A
Contact Capacity	NO: 40A 240VAC
Norminal Coil Volt	5~110V(DC)
Dielectric Strength	1500VAC - 1500VAC
Coil Power	0.93W

PCB POWER

EF105-SSR



28.0 X 05.0 X 15.0 (H)_{MM}

2A

MAX SWITCHING CAPABILITY

CHARACTERSTICS

Contact Form	DC TO DC DC TO AC
Output Voltage	24-280VAC 5-60VDC
Output Current	2A
Control Voltage	5-15VDC 12-32VDC

EF110-SSR



28.7X 12.63 X 37.5 (H)_{MM}

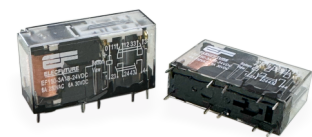
5A

MAX SWITCHING CAPABILITY

CHARACTERSTICS

Contact Form	DC TO DC DC TO AC
Output Voltage	24-280VAC 5-60VDC 5-80VDC
Output Current	5A
Control Voltage	5-15VDC 12-32VDC

EF150



SAFETY RELAY
40.0X 13.0 X 24.0 (H)_{MM}

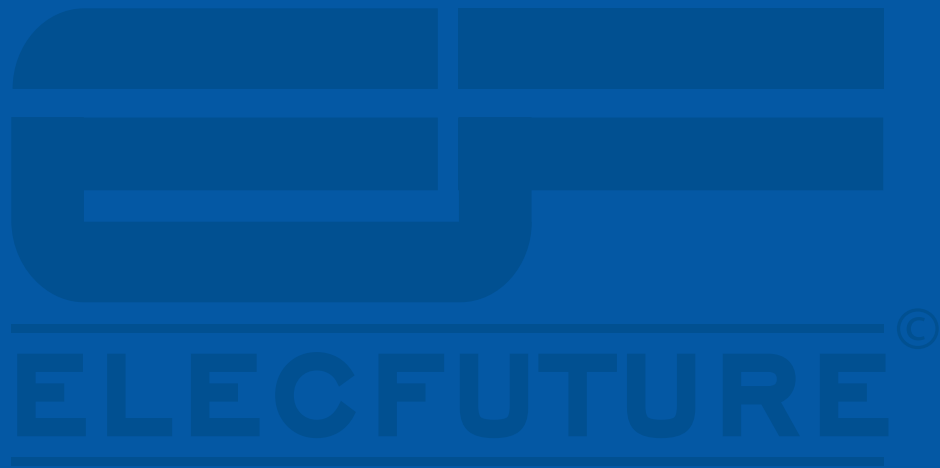
6A

MAX SWITCHING CAPABILITY (250VAC)

CHARACTERSTICS

Contact Form	3A1B 2A2B
Contact Capacity	6A 250VAC
Norminal Coil Volt	6~48V(DC)
Dielectric Strength	1500VAC - 4000VAC
Coil Power	1.80W

SOLID STATE



ELECFUTURE

