

## RAFIX 22 FS<sup>+</sup> - Universal contact block, 2 NC, gold contacts

## 1.20.126.001/9000

Caution: Not suitable for emergency stop functions.



Lamp optional SMT LED  Mechanical design  Mounting soldering in PCB  Contact system bridge-contact self cleaning  Contact materials Au  Contact arrangement 1 NC  NC contact forcibly actuated acc. to IEC 60947-5-1 yes  Terminals THT solder terminals with locating lug  Electrical characteristics  Operating voltage AC / DC min. 5 V  Operating voltage AC / DC min. 1 mA  Operating current AC / DC min. 1 mA  Operating current AC / DC max. 250 mW  Other specifications  Operating life at 10 mA / 24 V DC 1,000,000  B10 1,300,000  Switching reliability at 24V / 5mA DC 10 x 10-6  Storage temperature min. 40 °C  Ambient temp. operating min. 40 °C  Ambient temp. operating max. +85 °C  Storage temperature max. +85  Color of plunger red  Robustness acc. to IEC 60068-2-27 15 g at 11 ms, amplitude half sinusoidal Resistance to vibrations acc. to IEC 60068-2-14, -30, -33 and -78  Solderability / solder heat resistance 20 in the solder in the manual soldering Color of housing grey  ROHS compliant 15 contact self-centacy in PCB  And contact system bridge-contact self-centacy in PCB  Autor Contact system bridge-contact self-centacy in PCB  Solder techniques wave solder bath / manual soldering  Color of housing grey  ROHS compliant	General information	
Mounting         soldering in PCB           Contact system         bridge-contact self cleaning           Contact materials         Au           Contact arrangement         1 NC           NC contact forcibly actuated acc. to IEC 60947-5-1         yes           Terminals         THT solder terminals with locating lug           Electrical characteristics         THT solder terminals with locating lug           Operating voltage AC / DC min.         5 V           Operating voltage AC / DC max.         35 V           Operating current AC / DC min.         1 mA           Operating current AC / DC max.         100 mA           Rated power max.         250 mW           Other specifications         0           Operating life at 10 mA / 24 V DC         1,000,000           B10         1,300,000           Switching reliability at 24V / 5mA DC         10 x 10 °           Storage temperature min.         -40 °C           Ambient temp. operating min.         -40 °C           Ambient temp. operating max.         +85 °C           Storage temperature max.         +85 °C           Color of plunger         red           Robustness         acc. to IEC 60947-5-5 (TÜV)           Shock resistance acc. to IEC 60068-2-7         15 g at 11 m., amplit	Lamp optional	SMT LED
Mounting         soldering in PCB           Contact system         bridge-contact self cleaning           Contact materials         Au           Contact arrangement         1 NC           NC contact forcibly actuated acc. to IEC 60947-5-1         yes           Terminals         THT solder terminals with locating lug           Electrical characteristics         THT solder terminals with locating lug           Operating voltage AC / DC min.         5 V           Operating voltage AC / DC max.         35 V           Operating current AC / DC min.         1 mA           Operating current AC / DC max.         100 mA           Rated power max.         250 mW           Other specifications         0           Operating life at 10 mA / 24 V DC         1,000,000           B10         1,300,000           Switching reliability at 24V / 5mA DC         10 x 10 °           Storage temperature min.         40 °C           Ambient temp. operating min.         40 °C           Ambient temp. operating max.         +85 °C           Storage temperature max.         +85 °C           Color of plunger         red           Robustness         acc. to IEC 60947-5-5 (TÜV)           Shock resistance acc. to IEC 60068-2-7         15 g at 11 ms, amplitud		
Contact system bridge-contact self cleaning Contact materials Au Contact arrangement 1 NC NC contact forcibly actuated acc. to IEC 60947-5-1 yes Terminals THT solder terminals with locating lug  Electrical characteristics Operating voltage AC / DC min. 5 V Operating voltage AC / DC max. 35 V Operating current AC / DC min. 1 mA Operating current AC / DC max. 250 mW  Other specifications Operating life at 10 mA / 24 V DC 1,000,000 B10 1,300,000 Switching reliability at 24V / 5mA DC 10 x 10 <sup>-6</sup> Storage temperature min. 40 °C Ambient temp. operating min. 40 °C Ambient temp. operating max. +85 °C Storage temperature max. +85 Color of plunger red Robustness acc. to IEC 60068-2-27 15 g at 11 ms, amplitude half sinusoidal Resistance to vibrations acc. to IEC 60068-2-6 5 g at 10 500 Hz Environmental restistance DIN En 60068-2-20 Solder ability / solder heat resistance Color of housing grey ROHS compliant		
Contact materials  Contact arrangement  1 NC  NC contact forcibly actuated acc. to IEC 60947-5-1  Terminals  THT solder terminals with locating lug  Electrical characteristics  Operating voltage AC / DC min.  Operating voltage AC / DC min.  Operating current AC / DC min.  Operating current AC / DC max.  Attendary power max.  Operating current AC / DC max.  The solder terminals with locating lug  Electrical characteristics  Operating voltage AC / DC min.  Operating voltage AC / DC max.  The solder terminals with locating lug  Electrical characteristics  Operating voltage AC / DC min.  The solder terminals with locating lug  Electrical characteristics  Operating voltage AC / DC min.  The solder terminals with locating lug  That solder heat resistance  That solder terminals with locating lug  That solder terminals with locating lug  That solder reminals lug  That solder reminals with locating lug  That solder reminals lug  That solder reminal	Mounting	
Contact arrangement 1 NC  NC contact forcibly actuated acc. to IEC 60947-5-1  yes  Terminals THT solder terminals with locating lug  Electrical characteristics  Operating voltage AC / DC min. 5 V  Operating voltage AC / DC max. 35 V  Operating current AC / DC min. 1 mA  Operating current AC / DC max. 100 mA  Rated power max. 250 mW  Other specifications  Operating life at 10 mA / 24 V DC 1,000,000  B10 1,300,000  Switching reliability at 24V / 5mA DC 10 x 10-6  Storage temperature min. 40 °C  Ambient temp. operating min40 °C  Ambient temp. operating max. +85 °C  Storage temperature max. +85  Color of plunger red  Robustness acc. to IEC 60068-2-27 15 g at 11 ms, amplitude half sinusoidal  Resistance to vibrations acc. to IEC 60068-2-6 5 g at 10 500 Hz  Environmental restistance acc. to IEC 60068-2-20  Solder ability / solder heat resistance prey	Contact system	bridge-contact self cleaning
NC contact forcibly actuated acc. to IEC 60947-5-1  Terminals  THT solder terminals with locating lug  Flectrical characteristics  Operating voltage AC / DC min.  Operating voltage AC / DC max.  Operating current AC / DC min.  Operating current AC / DC max.  Operating current AC / DC max.  100 mA  Rated power max.  Operating life at 10 mA / 24 V DC  1,000,000  B10  1,300,000  Switching reliability at 24V / 5mA DC  10 x 10 <sup>-6</sup> Storage temperature min.  40 °C  Ambient temp. operating min.  Ambient temp. operating max.  H85 °C  Storage temperature max.  Color of plunger  Robustness  Acc. to IEC 60068-2-27  Resistance to vibrations acc. to IEC 60068-2-6  Environmental restistance  Solderability / solder heat resistance  DIN EN 60068-2-20  Solder techniques  Color of housing  grey  ROHS compliant	Contact materials	Au
Terminals  THT solder terminals with locating lug  Electrical characteristics  Operating voltage AC / DC min. 5 V  Operating voltage AC / DC max. 35 V  Operating current AC / DC min. 1 mA  Operating current AC / DC max. 250 mW  Other specifications  Operating life at 10 mA / 24 V DC 1,000,000  B10 1,300,000  Switching reliability at 24V / 5mA DC 10 x 10 °C  Storage temperature min. 40 °C  Ambient temp. operating min. 40 °C  Ambient temp. operating max. +85 °C  Storage temperature max. +85  Color of plunger red  Robustness acc. to IEC 60068-2-27 15 g at 11 ms, amplitude half sinusoidal  Resistance to vibrations acc. to IEC 60068-2-6 5 g at 10 500 Hz  Environmental restistance acc. to IEC 60068-2-20  Solder techniques wave solder bath / manual soldering  Color of housing grey  ROHS compliant	Contact arrangement	1 NC
Electrical characteristics Operating voltage AC / DC min. Operating voltage AC / DC max. 35 V Operating current AC / DC min. 1 mA Operating current AC / DC max. 100 mA Rated power max. 250 mW  Other specifications Operating life at 10 mA / 24 V DC 1,000,000 B10 1,300,000 Switching reliability at 24V / 5mA DC 10 x 10 6 Storage temperature min. 40 °C Ambient temp. operating min. 40 °C Ambient temp. operating max. 85 °C Storage temperature max. Color of plunger Robustness acc. to IEC 60947-5-5 (TÜV) Shock resistance acc. to IEC 60068-2-7 Resistance to vibrations acc. to IEC 60068-2-6 Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78 Solderability / solder heat resistance DIN EN 60068-2-20 Solder techniques wave solder bath / manual soldering Color of housing grey ROHS compliant	NC contact forcibly actuated acc. to IEC 60947-5-1	yes
Operating voltage AC / DC min.  Operating voltage AC / DC max.  Operating current AC / DC min.  Operating current AC / DC max.  Rated power max.  Other specifications  Operating life at 10 mA / 24 V DC  B10  Switching reliability at 24V / 5mA DC  Storage temperature min.  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  Color of plunger  Robustness  Acc. to IEC 60068-2-27  Resistance to vibrations acc. to IEC 60068-2-6  Solderability / solder heat resistance  Solder techniques  Color of housing  ROHS compliant  Storage temperature  Storage temperature max.  Color of plunger  Robustness  Color of plunger  Robustness  Color of plunger  Robustness  Color of plunger  Resistance to vibrations acc. to IEC 60068-2-6  Storage temperature max.  Color of plunger  Robustness  Color of housing  Robustness  Robustnes	Terminals	THT solder terminals with locating lug
Operating voltage AC / DC max.  Operating current AC / DC min.  Operating current AC / DC max.  Rated power max.  Other specifications  Operating life at 10 mA / 24 V DC  B10  Switching reliability at 24V / 5mA DC  Storage temperature min.  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  Color of plunger  Robustness  Color of voltage acc. to IEC 60068-2-27  Resistance to vibrations acc. to IEC 60068-2-6  Solderability / solder heat resistance  Solder techniques  Color of housing  ROHS compliant  Storage temperature  DIN EN 60068-2-20  Solder techniques  Color of housing  Resistance to plunger  Robustness  Solder solder bath / manual soldering  Rohs compliant  Pax V  I mA  100 mA  1,000,000  1,000,000  1,300,000  1,300,000  10 x 10-6	Electrical characteristics	
Operating current AC / DC min.  Operating current AC / DC max.  Rated power max.  Operating life at 10 mA / 24 V DC  B10  Switching reliability at 24V / 5mA DC  Storage temperature min.  Ambient temp. operating min.  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  acc. to IEC 60068-2-27  B1 g at 11 ms, amplitude half sinusoidal  Resistance to vibrations acc. to IEC 60068-2-6  Environmental restistance  Solderability / solder heat resistance  Color of housing  ROHS compliant  PM  100 mA  100 mA  100 mA  100 mA  1,000,000  1,000,000  10 x 10-6  10 x 10	Operating voltage AC / DC min.	5 V
Operating current AC / DC max. Rated power max.  Other specifications Operating life at 10 mA / 24 V DC B10 Switching reliability at 24V / 5mA DC Storage temperature min. Ambient temp. operating min. Ambient temp. operating max. Storage temperature max. Color of plunger Robustness Acc. to IEC 60947-5-5 (TÜV) Shock resistance acc. to IEC 60068-2-27 Environmental restistance Solder ability / solder heat resistance Solder techniques Color of housing Resistance to vibrations acc. DIN EN 60068-2-20 Solder techniques ROHS compliant  100 mA 250 mW  1,000,000 1,000,000 1,300,000 10 x 10-6 10 x 10-	Operating voltage AC / DC max.	35 V
Rated power max.250 mWOther specificationsOperating life at 10 mA / 24 V DC1,000,000B101,300,000Switching reliability at 24V / 5mA DC10 x 10-6Storage temperature min40 °CAmbient temp. operating min40 °CAmbient temp. operating max.+85 °CStorage temperature max.+85Color of plungerredRobustnessacc. to IEC 60947-5-5 (TÜV)Shock resistance acc. to IEC 60068-2-2715 g at 11 ms, amplitude half sinusoidalResistance to vibrations acc. to IEC 60068-2-65 g at 10 500 HzEnvironmental restistanceacc. to IEC 60068-2-14, -30, -33 and -78Solderability / solder heat resistanceDIN EN 60068-2-20Solder techniqueswave solder bath / manual solderingColor of housinggreyROHS compliantyes	Operating current AC / DC min.	1 mA
Other specifications  Operating life at 10 mA / 24 V DC  B10  1,300,000  Switching reliability at 24V / 5mA DC  10 x 10 <sup>-6</sup> Storage temperature min.  -40 °C  Ambient temp. operating min.  -40 °C  Ambient temp. operating max.  +85 °C  Storage temperature max.  Color of plunger  Robustness  acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27  Resistance to vibrations acc. to IEC 60068-2-6  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Solder ability / solder heat resistance  DIN EN 60068-2-20  Solder techniques  Wave solder bath / manual soldering  GOHS compliant  1,000,000  1,000,000  1,300,000  10 x 10 <sup>-6</sup> 2,000,000  10 x 10 <sup>-6</sup>	Operating current AC / DC max.	100 mA
Operating life at 10 mA / 24 V DC  B10  1,300,000  Switching reliability at 24V / 5mA DC  10 x 10 <sup>-6</sup> Storage temperature min.  -40 °C  Ambient temp. operating min.  -40 °C  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Solder ability / solder heat resistance  DIN EN 60068-2-20  Solder techniques  Color of housing  grey  ROHS compliant	Rated power max.	250 mW
Operating life at 10 mA / 24 V DC  B10  1,300,000  Switching reliability at 24V / 5mA DC  10 x 10 <sup>-6</sup> Storage temperature min.  -40 °C  Ambient temp. operating min.  -40 °C  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Solder ability / solder heat resistance  DIN EN 60068-2-20  Solder techniques  Color of housing  grey  ROHS compliant		
Switching reliability at 24V / 5mA DC  Storage temperature min.  Ambient temp. operating min.  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27  Environmental restistance  Solderability / solder heat resistance  Solder techniques  Color of housing  ROHS compliant  1,300,000  10 x 10°6  10	•	
Switching reliability at 24V / 5mA DC  Storage temperature min.  Ambient temp. operating min.  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  Color of sistance acc. to IEC 60068-2-27  Environmental restistance  Solderability / solder heat resistance  Solder techniques  Color of housing  ROHS compliant  10 x 10 <sup>-6</sup>		
Storage temperature min.  Ambient temp. operating min.  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27  Environmental restistance  Solderability / solder heat resistance  Color of housing  Color of housing  ROHS compliant  -40 °C  -45 °C  -40 °C  -45 °C  -40 °C  -45 °C  -40 °C  -45 °C  -40 °C  -45 °C  -40 °C  -45 °C  -40 °C  -45 °C  -40		<del></del> _
Ambient temp. operating min.  Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27  Resistance to vibrations acc. to IEC 60068-2-6  Environmental restistance  Solderability / solder heat resistance  Color of housing  Color of housing  ROHS compliant  -40 °C  -45 °		<del></del>
Ambient temp. operating max.  Storage temperature max.  Color of plunger  Robustness  acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27  Shock resistance to vibrations acc. to IEC 60068-2-6  Environmental restistance  Solderability / solder heat resistance  DIN EN 60068-2-14, -30, -33 and -78  Solder techniques  Color of housing  ROHS compliant  P85 °C  +85  acc. to IEC 60947-5-5 (TÜV)  15 g at 11 ms, amplitude half sinusoidal  5 g at 10 500 Hz  acc. to IEC 60068-2-14, -30, -33 and -78  DIN EN 60068-2-20  grey  yes	Storage temperature min.	<del></del>
Storage temperature max. +85  Color of plunger red  Robustness acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27 15 g at 11 ms, amplitude half sinusoidal  Resistance to vibrations acc. to IEC 60068-2-6 5 g at 10 500 Hz  Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78  Solderability / solder heat resistance DIN EN 60068-2-20  Solder techniques wave solder bath / manual soldering  Color of housing grey  ROHS compliant yes		<del></del>
Color of plunger  Robustness  acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27  15 g at 11 ms, amplitude half sinusoidal  Resistance to vibrations acc. to IEC 60068-2-6  Environmental restistance  acc. to IEC 60068-2-14, -30, -33 and -78  Solderability / solder heat resistance  DIN EN 60068-2-20  Solder techniques  Color of housing  grey  ROHS compliant  red  acc. to IEC 60947-5-5 (TÜV)  15 g at 11 ms, amplitude half sinusoidal  5 g at 10 500 Hz  acc. to IEC 60068-2-14, -30, -33 and -78  DIN EN 60068-2-14, -30, -33 and -78  DIN EN 60068-2-20  wave solder bath / manual soldering  grey  ROHS compliant	Ambient temp. operating max.	+85 °C
Robustness acc. to IEC 60947-5-5 (TÜV)  Shock resistance acc. to IEC 60068-2-27 15 g at 11 ms, amplitude half sinusoidal  Resistance to vibrations acc. to IEC 60068-2-6 5 g at 10 500 Hz  Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78  Solderability / solder heat resistance DIN EN 60068-2-20  Solder techniques wave solder bath / manual soldering  Color of housing grey  ROHS compliant yes	Storage temperature max.	+85
Shock resistance acc. to IEC 60068-2-27  Resistance to vibrations acc. to IEC 60068-2-6  Environmental restistance  Solderability / solder heat resistance  Solder techniques  Color of housing  ROHS compliant  15 g at 11 ms, amplitude half sinusoidal  5 g at 10 500 Hz  acc. to IEC 60068-2-14, -30, -33 and -78  DIN EN 60068-2-20  wave solder bath / manual soldering  grey  yes	Color of plunger	red
Resistance to vibrations acc. to IEC 60068-2-6  Environmental restistance  Solderability / solder heat resistance  DIN EN 60068-2-10  Solder techniques  Color of housing  ROHS compliant  S g at 10 500 Hz  acc. to IEC 60068-2-14, -30, -33 and -78  DIN EN 60068-2-20  wave solder bath / manual soldering  grey  ROHS compliant	Robustness	acc. to IEC 60947-5-5 (TÜV)
Environmental restistance acc. to IEC 60068-2-14, -30, -33 and -78  Solderability / solder heat resistance DIN EN 60068-2-20  Solder techniques wave solder bath / manual soldering  Color of housing grey  ROHS compliant yes	Shock resistance acc. to IEC 60068-2-27	15 g at 11 ms, amplitude half sinusoidal
Solderability / solder heat resistance  Solder techniques  Color of housing  ROHS compliant  DIN EN 60068-2-20  wave solder bath / manual soldering  grey  yes	Resistance to vibrations acc. to IEC 60068-2-6	5 g at 10 500 Hz
Solder techniques wave solder bath / manual soldering Color of housing grey ROHS compliant yes	Environmental restistance	acc. to IEC 60068-2-14, -30, -33 and -78
Color of housing grey  ROHS compliant yes	Solderability / solder heat resistance	DIN EN 60068-2-20
ROHS compliant yes	Solder techniques	wave solder bath / manual soldering
	Color of housing	grey
	ROHS compliant	yes
REACH compliant yes	REACH compliant	yes







