



EF220F.1

- Flat plug-in connector
- Mounting flange position 1
- Suitable for **EMERGENCY-OFF**
- 11-12; 21-22 (Contact labelling)

Data

Ordering data

	EF 220F.1
	101024291
EAN (European Article Number)	4030661463582
eCl@ss number, Version 9.0	27-37-13-02

Approval - Standards

cULus
CCC
EAC

General data

Product name	Contact element EF EN 60947-5-1 IEC/EN 60947-1
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Contact labelling	21-22
Gross weight	20 g

General data - Features

Suitable for EMERGENCY-OFF	Yes
Number of openers	2

Mechanical data

Installation instructions	pluggable
Mechanical life, minimum	10,000,000 Operations
positive break travel	2 mm
Contact opening	2 mm
Note Bounce duration	Bounce duration at an Actuating speed of 100mm/s 1

Mechanical data - Connection technique

Terminal Connector	Flat plug-in connector - 6.3 mm x 0.8 mm / 2 x 2.8 mm x 0.8 mm
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Mechanical data - Dimensions

Width	10 mm
Length	46 mm
Depth	60 mm

Ambient conditions

	IP40
	IP20
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+80 °C
	110 g / 4 ms
Resistant to vibration	Resistance to vibration: 20 g / 10...200 Hz

Electrical data

Thermal test current	10 A
Utilisation category AC-15	230 VAC
Utilisation category AC-15	8 A
Utilisation category DC-13	24 VDC
Utilisation category DC-13	5 A
	$\geq 5 \text{ V} / \geq 3.2 \text{ mA}$
Switching element	Opener (NC)
Switching principle	Slow action
Bounce duration, maximum	5 ms
Switching frequency	1,200 /h

Pictures

Photo/Product/Catalogue



ID: kef22f02

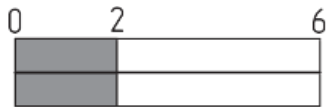
| 42,4 kB | .png | 73.731 x 88.547 mm - 209 x 251

Pixel - 72 dpi

| 513,2 kB | .jpg | 352.425 x 422.981 mm - 999 x 1199

Pixel - 72 dpi

Diagramm/Product/Travel



ID: krf--s08

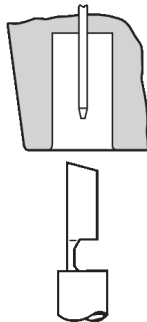
| 18,8 kB | .cdr |

| 1,1 kB | .png | 74.083 x 24.694 mm - 210 x 70 Pixel -
72 dpi

| 29,0 kB | .jpg | 352.778 x 118.181 mm - 1000 x 335

Pixel - 72 dpi

Illustration/Product/Function



ID: krf--a06

| 17,0 kB | .cdr |

| 3,3 kB | .png | 74.083 x 164.042 mm - 210 x 465
Pixel - 72 dpi

| 133,2 kB | .jpg | 352.778 x 781.756 mm - 1000 x
2216 Pixel - 72 dpi

K.A. Schmersal GmbH & Co. KG, Möddinghofe 3, D-42279 Wuppertal

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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