SIEMENS

FDAI92-Ex, FDAI93-Ex

Alarm indicators

For explosion-hazard areas for zones 1 and 2

C€

- **FDAI92-Ex**
  - Modern flat design
  - Non-screw terminals
- **FDAI93-Ex**
  - Simple plug-in, expanding-spring socket
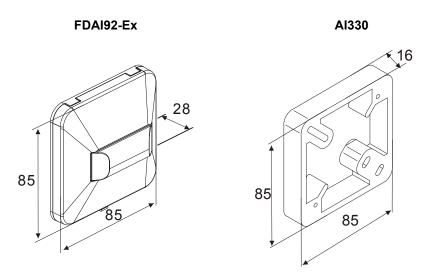
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Characteristics

- Alarm indicators are connected to automatic fire detectors in order to indicate quickly the source of an alarm signal from detectors which are not easily accessible or visible.
- The alarm indicators contain an indicator lamp unit with two integrated LEDs. They light up as soon as the connected fire detector gives an alarm.
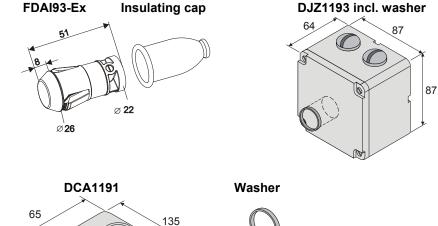- Only **one** external alarm indicator may be connected to each detector.
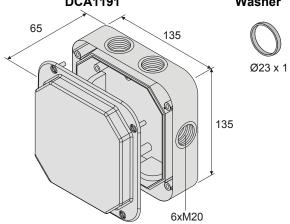
Alarm indicators FDAI92-Ex

- Alarm indicator is mounted with two screws either directly or on a wall.

- For the following applications the FDAI92-Ex can be completed with AI330 adapter frame:
  - for surface laid conduit or ducts
  - to increase the loop space
  - as an adapter for different makes of box

Dimensions

FDAI92-Ex   **AI330**

Building Technologies
Fire Safety & Security Products

– Made of transparent plastic, the FDAI93-Ex alarm indicator is suitable for installation in door frames, switching panels, ceiling voids or special housings. The 22.5 mm Ø mounting hole is drilled by the system owner. The holder must be fitted with an insulating cap for safety.
– For installation in humid rooms the DJZ1193 and DCA1191 housings as well as a washer are available.
– The housing DJZ1193 has a hole for the mounting of one alarm indicator.
– Up to 4 alarm indicators can be built into the housing DCA1191. The 22.5 mm Ø mounting holes are drilled by the system owner.

FDAI93-Ex **Insulating cap**

51
8
Ø 22
Ø 26

DJZ1193 incl. washer

64
87
87

DCA1191 **Washer**

65
135
135
Ø23 x 1
6xM20

Technical data

	FDAI92-Ex	FDAI93-Ex
Operating voltage	4… 5 VDC	1.5 VDC
Operating current (continuous)	max. 35 mA	max. 20… 30 mA
Connection terminals	max. 1.5 mm^2	max. 1.5 mm^2
Ambient temperature	-25… +80 °C	-25… +80 °C
Humidity	≤95 % rel.	≤95 % rel.
Protection category EN60529 / IEC529	IP40	
– with DJZ1193	–	IP65
– with DCA1191	–	IP56
Color	white, ~RAL 9010	transparent plastic
– housing DJZ1193		white, ~RAL 9010
– housing DCA1191		white, ~RAL 9010
Ex classification	Ex ib IIC T6 (Ta ≤ 55 °C)	Ex ib IIC T6 (Ta ≤ 55 °C)
'simple apparatus' acc. to EN50020 § 5.4	Ex ib IIC T5 (Ta ≤ 70 °C)	Ex ib IIC T5 (Ta ≤ 70 °C)
Approvals	EECS, ESTI	EECS, ESTI, PTB
QS Standards	Fire protection industry certified quality assurance system according to EN ISO 9001:2000	

Details for ordering

	Type	Part no	Designation	Weight
Accessory	FDAI92-Ex	S54370-F3-A1	Alarm indicator, surface version	0.050 kg
	AI330	BPZ:3169430001	Adapter frame	0.020 kg
	FDAI93-Ex	S54370-F6-A1	Alarm indicator incl. insulating cap, flush version	0.010 kg
Spare part	–	BPZ:3048160001	Insulating cap	0.005 kg
Accessories	DJZ1193	BPZ:5302950001	Indicator housing, incl. washer	0.115 kg
	DCA1191	BPZ:4588560001	Housing with cover	0.265 kg
	–	BPZ:2473130001	Washer	0.001 kg