CLASSIFICATION

ROTARY VALVES ZSS-CK FOR COAL DUST



FSA 21 ATEX 1714 X

- Designated certification body
- Year of test
- Test number



EQUIPMENT GROUP II
Equipment for use in the usual areas (except mining) that may be at risk due to an explosive atmosphere.

TYPE OF EXPLOSIVE ATMOSPHERE
D = dust-air mixtures (dust)

TYPES OF IGNITION PROTECTION FOR NON-ELECTRICAL EQUIPMENT IN EXPLOSIVE ATMOSPHERES	SYMBOL (h = protection class)	STANDARD
Constructional safety “c”	h	EN ISO 80079-37
Control of ignition sources “b”	h	EN ISO 80079-37
Liquid immersion “k”	h	EN ISO 80079-37

EXPLOSIVE DUST ATMOSPHERES
Specification of maximum surface temperature e.g. T135 °C.

II | 1/3 | D | Ex | h | IIIC | T135 °C | Da/Dc

TYPE OF IGNITION PROTECTION
The “Ex” symbol indicates that the equipment benefits from one or more types of ignition protection.

EQUIPMENT PROTECTION LEVEL (EPL)
EPL “Da”: equipment with a very high level of protection (corresponds to category 1D)
EPL “Db”: equipment with a high level of protection (corresponds to category 2D)
EPL “Dc”: equipment with an enhanced level of protection (corresponds to category 3D)

EQUIPMENT CATEGORY 1 (INSIDE)
Very high level of safety – use possible in zone 20, 21, 22

EQUIPMENT CATEGORY 2
High level of safety – use possible in zone 21, 22

EQUIPMENT CATEGORY 3 (OUTSIDE)
Normal level of safety – use possible in zone 22

EXPLOSIVE DUST ATMOSPHERES
IIIA: flammable aerosols
IIIB: non-conductive dust
IIIC: conductive dust

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More detailed information about the rotary valves manufactured by Scheuch COMPONENTS is available on the website

Go to video
Rotary valves with ATEX protection for explosive conveyed materials