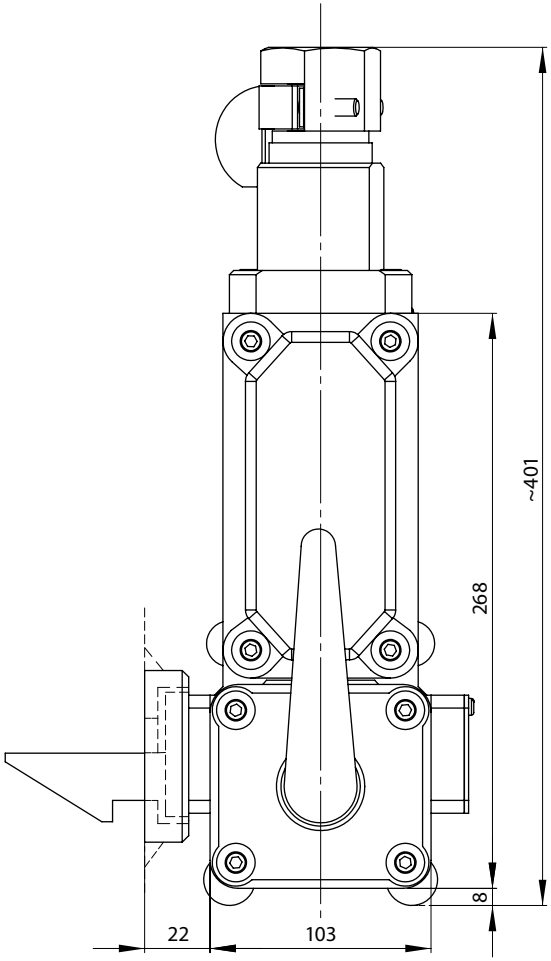
Example of designation of the 230 V AC OEZWS-2 electromagnetic lock of shaft gates in the left version, supplied with 20 mm diameter cable:
OEZWS-2 – 230 V AC-L-20 Lock

FUNCTIONAL PARAMETERS: The OEZWS-2 lock is produced in two design versions: "L" left and "P" right (see figure) and three voltage classes: 127 V AC, 230 V AC and 24 VDC.
The lock can be supplied (depending on the size of the installed sealing ring) with the 12÷28 mm diameter cable. If no information is available on the supply cable diameter, the lock is delivered with a sealing ring for 18÷20 mm cable.
The lock is intended for work at the ambient temperature of –5°C to +40°C and relative humidity of 95±2%.

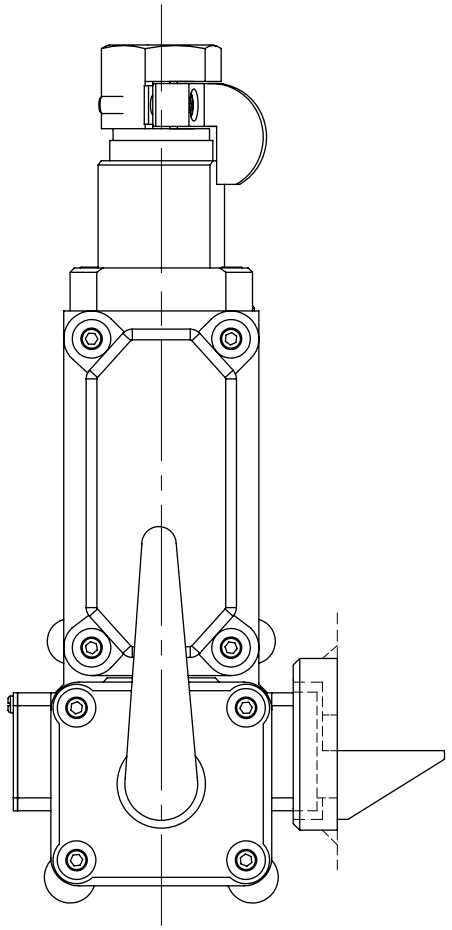
APPLICATIONS: The OEZWS-2 lock is designed for safe use in underground and ground mines exposed to the threat of methane or coal dust explosion and bears the following marking:

I M2 Ex db I Mb

The OEZWS-2 lock conforms to Directive 2014/34/UE and EN IEC 60079-0:2018 and EN 60079 1:2014 as ascertained by the WE type test certificate: FTZÚ 05 ATEX 0010X with supplements.



"L" left version



"P" right version

OEZWS-2 FLAMEPROOF ELECTROMAGNETIC LOCKS OF SHAFT GATES

PRINCIPLE: The OEZWS-2 flameproof electromagnetic lock for shaft gates is intended for lifting equipment in shafts. It enables to open the shaft gate only if the shaft gate is present and authorisation for the given level is given. If the cage stops at the inappropriate level and authorisation is given, the suitable electric circuit (not incorporated in the lock and not delivered as bundled) should energise the electromagnet supply circuit integrated within the lock.
An interlock is raised preventing the lock from being open. After releasing the lock, a striker is lifted after deflecting the handle allowing to open the shaft gates. If there is no voltage at electromagnet clamps, the deflection of the handle is blocked and, as a result, it cannot be unlocked. During personal ride or shaft inspection, the shaft gates can be opened from the side of the shaft by lifting the lock striker (accessible only from the side of the shaft).
The lock is also equipped with a hand button (that can be accessed after breaking off the leaden seal) for emergency unlocking from the side of the shaft gates when voltage at electromagnet terminals is off.

CONNECTION DIMENSIONS: