

Solenoid release type: EMZO-30/C/*



APPLICATION

The flameproof solenoid release type EMZO-30/C/* is designed to lift weights and release weight operated mechanical brakes in transportation systems. The release is supplied with three-phase voltage. The solenoid releases type EMZO-30/AS substitute the releases type EMZO-30/AS previously manufactured by APATOR MINING. However, they feature better functional properties resulting from the use of winding temperature sensors, which effectively protect the releases when overload resulting from e.g. not lifting the weight occurs.

*- indicates version number

TECHNICAL SPECIFICATIONS

	Version			
	3	4	7	8
Nominal power supply U_N	500 V	500 V	1000 V	1000 V
Frequency	50 Hz			
Start-up current	42 A	30 A	20 A	11,3 A
Hold current	1,3 A	0,56 A	0,96 A	0,36 A
Work mode	S4-40%	S1	S4-40%	S1
Switching rate	300 Cycle/h	10 Cycle/h	300 Cycle/h	10 Cycle/h
Lifting capacity (weight of solenoid armature excluded)	350 N	150 N	350 N	150 N
Travel	5 cm			
Mechanical durability	1 000 000 Switch cycle no.			
Permissible power supply variations	80 ÷ 100 % U_N			
Allowable power supply cable wire cross section	2,5 ÷ 4 mm ²			
Power supply cable outer diameter	21 ÷ 30 mm (2 cable gland)			
Weight	80 kg			
Casing electrical safety	IP54			
Drawing No.	AM-910043-03	AM-910043-04	AM-910043-07	AM-910043-08
Marking of the appliance	CE 1453 IM2 EEx d I -10°C ≤ Ta ≤ +40°C			
Certificate number	KDB 05ATEX064X			

S1 - continuous operation

S4 - intermittent operation with start-up acc. to PN-EN 60634-1:2001

ORDER EXAMPLE

Ex-proof solenoid release type EMZO – 30/C/4 acc. to dwg no.AM-910043-04

- indicates an order ex-proof solenoid release, execution no. 4, suited for continuous operation $U_N = 500 V$