



Electromagnetic Control electromagnets Holding magnets

- Control electromagnet protected against dirt and humidity
- Any mounting position

Application

The control electromagnets are primarily used to drive valves in gas, air, water or oil-hydraulic control systems.

Materials

All parts are protected against corrosion.

Special features

The solenoids are completely encapsulated. No mechanical moving parts.

Versions

The electrical connections can be supplied in the form of loose lines directly brought out from the magnet or as an appliance coupler with associated plug including indicator lamp.

Protection classes

Many control electromagnets can also be supplied in (Sch)d/(Ex)d2, VDE 0170/0171 or as intrinsically safe versions.

Controllable versions

Proportional control magnets for proportionally controlling pilotcontrol valves in hydraulic control systems.
To be used in combination with electronic control cards only.

Materials

All parts are protected against corrosion.

Nom. width valve	Housing dim. in mm	Protect. class housing	Connection type	Ambient temperature	Mounting position	Operating voltage *	Current intensity	Switch-on period	Pull-in power	Holding power	Lifting force	Stroke
NW3	40 * 40	iP 54	Connector	max. + 35°	any	12 V = to 220 V~	1,1A - 0,06A	100% ED	13 W	13 W	28N bis 31N	4 mm
NW6	50 * 50	iP 54	Connector	max. + 35°	any	12 V = to 220 V~	3A-0,16A	100% ED	36 W	36 W	95 N	5 mm
IE5	50 * 50	Intrins. safe	Conn. housing	max. + 35°	any	12 V intrins. Safe	0,2A	100% ED	2,33 W	2,33 W	21 N	4 mm
IE7	60 * 60	Intrins. safe	Conn.hous.	max. + 35°	any	12 V intrins. Safe	0,18A	100% ED	2,16 W	2,16 W		
IE9	40 * 40	Intrins. safe	Conn.hous.	max. + 35°	any	12 V intrins. Safe	0,045A	100% ED	0,54 W	0,54 W	10 N	1 mm
IE14	30 * 30	Intrins. safe	Connector	max. + 35°	any	12 V intrins. Safe	0,15A	100% ED	1,82 W	1,82 W		
IE16	50 * 50	Intrins. safe	Connector	max. + 35°	any	12 V intrins. Safe	0,05A	100% ED	0,59 W	0,59 W		
IE27	40 * 84	Intrins. safe	Connector	max. + 35°	any	2x12 V intrins. Safe		100% ED				
IE36	40 * 88	Intrins. safe	Connector	max. + 35°	any	2x12 V intrins. Safe		100% ED	2,7 W	2,7 W		0,2 mm
prop. NW3	40 * 40	iP 54	Connector	max. + 35°	any	24 V	0,77A	100% ED	18,5 W	18,5 W	110 N	2 mm
prop. NW6	50 * 50	iP 54	Connector	max. + 35°	any	24 V	1,5A	100% ED	36 W	36 W	95 N	5 mm
dE3	50	EX	Free cable ends	max. + 35°	any	12 V = to 500 V~	0,058A	100% ED	29 W	29 W	59 N	5 mm
Hold. mag.			Free cable ends	max. + 35°	any	24 V * Other voltages available on request	0,26A	100% ED	6,2 W	6,2 W		