

## Electromagnetic Control electromagnets Holding magnets

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



### TECHNICAL DATA

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

#### 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 pilot-control valves in hydraulic control systems. To be used in combination with electronic control cards only.

#### Materials

All parts are protected against corrosion.

#### Special features

The solenoids are completely encapsulated. No mechanical moving parts.

Nennweite Ventil	Gehäuse- maße in mm	Schutzart Gehäuse	Anschlussart	Umgebungs- temperatur	Einbau- lage	Betriebsspannung*	Strom- stärke	Einschalt- dauer	Anzugs- leistung	Halte- dauer	Hubkraft	Hub
NG3	40 * 40	IP54	Stecker	max. +35°	beliebig	12 V = bis 220 V~	1,1 A - 0,08 A	100% ED	13 W	13 W	28 N bis 31 N	4 mm
NG 6	50 * 50	IP54	Stecker	max. +35°	beliebig	12 V = bis 220 V~	3 A - 0,18 A	100% ED	36 W	36 W	95 N	5 mm
IE5	50 * 50	Eigensicher		max. +35°	beliebig	12 V Eigensicher.	0,2 A	100% ED	2,33 W	2,33 W	21 N	4 mm
IE7	60 * 60	Eigensicher		max. +35°	beliebig	12 V Eigensicher.	0,18 A	100% ED	2,16 W	2,16 W		
IE9	40 * 40	Eigensicher		max. +35°	beliebig	12 V Eigensicher.	0,046 A	100% ED	0,54 W	0,54 W	10 N	1 mm
IE14	30 * 30	Eigensicher	Stecker	max. +35°	beliebig	12 V Eigensicher.	0,15 A	100% ED	1,82 W	1,82 W		
IE16	50 * 50	Eigensicher	Stecker	max. +35°	beliebig	12 V Eigensicher.	0,05 A	100% ED	0,59 W	0,59 W		
IE27	40 * 84	Eigensicher	Stecker	max. +35°	beliebig	2x12 V Eigensicher.		100% ED				
IE36	40 * 88	Eigensicher	Stecker	max. +35°	beliebig	2x12 V Eigensicher.		100% ED	2,7 W	2,7 W		0,2 mm
prop. NG3	40 * 40	IP54	Stecker	max. +35°	beliebig	24 V	0,77 A	100% ED	18,5 W	18,5 W	110 N	2 mm
prop. NG6	50 * 50	IP54	Stecker	max. +35°	beliebig	24 V	1,5 A	100% ED	36 W	36 W	95 N	5 mm
dE3	50	EX	fr. Kabelenden	max. +35°	beliebig	12 V = bis 500 V~	0,058 A	100% ED	29 W	29 W	59 N	5 mm
Halbmagnet			fr. Kabelenden	max. +35°	beliebig	24 V *niedrige Spannungsquelle mit Anmelde	0,26 A	100% ED	6,2 W	6,2 W		