

Motor starters

Flameproof - Group IIB Aluminium - AC1WD, DE8BA and ERSA series



The robust range of 3-poles explosion-proof motor starters with thermal relay is ideal for many applications. It is available in three versions:

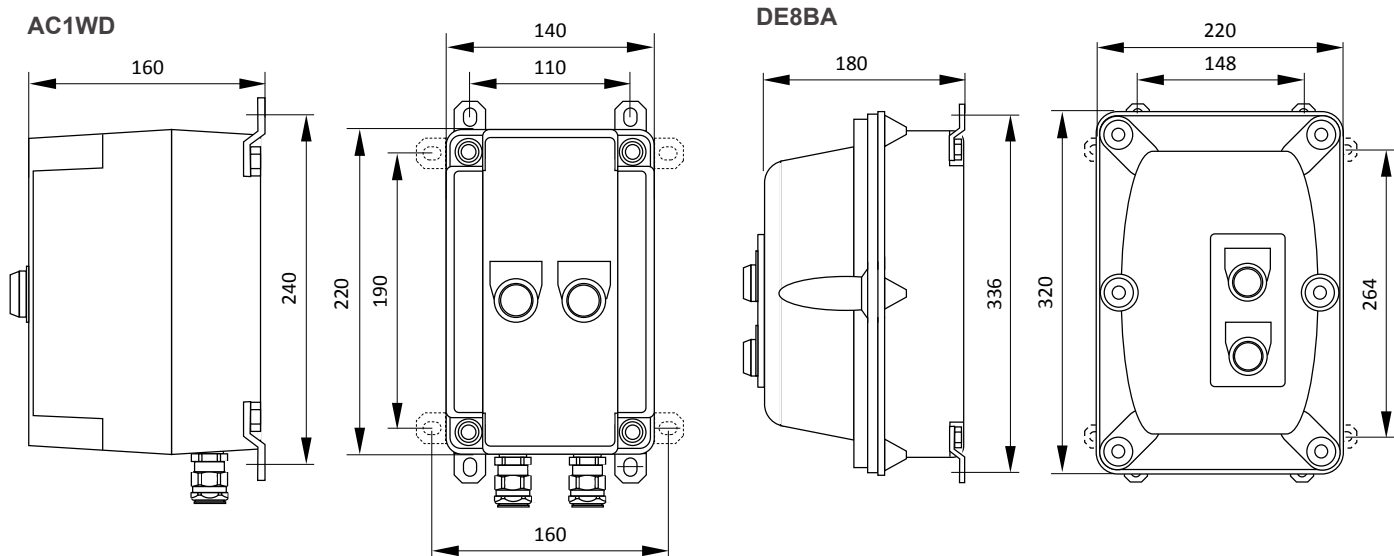
- with thermal overload relay, without contactor and no fuse
- with thermal overload relay and fuses, without contactor
- with thermal overload relay, contactor and fuses

A wide range of enclosures combined with a wide range of thermal overload relays, contactors, with or without fuses, allows customisation of the motor starters for different applications.

Any individual solution available on request.

TECHNICAL DATA

Material	Cast aluminium for AC1WD and ERSA, cast iron for DE8BA
IP rating	IP65 according to EN/IEC 60529
Temperature range	-20°C ... +40°C or +50°C or +60°C
Certificate	INERIS 03ATEX0145 for AC1DW INERIS 03ATEX144X for DE8BA INERIS 04ATEX0009X for ERSA
Marking	II 2 GD AC1WD Ex db IIB T6 Gb Ex tb IIIC T85°C Db DE8BA Ex db IIB T6 ... T4 Gb Ex tb IIIC T85°C ... 135°C Db ERSA Ex db IIB T6 ... T4 Gb Ex tb IIIC T85°C ... 135°C
Electrical features	AC1WD I _{max} = 65 A; U _{max} = 500 V DE8BA I _{max} = 220 A; U _{max} = 750 V ERSA I _{max} = 500 A; U _{max} = 1000 V
Mechanical endurance of the push buttons	Head: 5 million operations - Contact block: 1 million operations
Surface treatment	Painting RAL 7032 - Other colour on request



Product code (1) (2)	Rated current A	Motor power			Overload range A	Gas group	T° class	Weight kg	Complete the product code by adding the coil voltage, the number and type of cable entries 
		230 V kW	400 V kW	500 V kW					
AC1WD09 ●● 06	9	-	0.37	0.75	1 ... 1.7	IIB	T6	5.00	
AC1WD09 ●● 07	9	0.37	0.75	1.1	1.6 ... 2.5	IIB	T6	5,00	
AC1WD09 ●● 08	9	0.75	1.5	2	2.5 ... 4	IIB	T6	5,00	
AC1WD09 ●● 10	9	1.1	2.2	3	4 ... 6	IIB	T6	5,00	
AC1WD09 ●● 12	9	1.8	3	4	5.5 ... 8	IIB	T6	5,00	
AC1WD12 ●● 14	12	2.2	4	5.5	7 ... 10	IIB	T6	5.00	
AC1WD18 ●● 16	18	3	5.5	7.5	9 ... 13	IIB	T6	5.00	
AC1WD18 ●● 21	18	4	7.5	10	12 ... 18	IIB	T6	6.00	
ERSA25 ●● 22	25	5.5	11	15	17 ... 25	IIB	T6	9.00	
ERSA32 ●● 32	32	7.5	15	18.5	23 ... 32	IIB	T6	10.00	
DE8BA40 ●● 340	40	11	18.5	22	30 ... 40	IIB	T6	26.00	
DE8BA65 ●● 350	65	15	22	30	37 ... 50	IIB	T6	26.00	
DE8BA65 ●● 365	65	15	25	37	48 ... 65	IIB	T6	26.00	

Cable entries to add to the basic product code					Codes to add			
Thread	Type of cable	Number of entries	Position					
		2	1 on top + 1 on bottom	P1				
		2	2 on bottom	P2				
		3	1 on top + 2 on bottom	P3				
M20	1F for unarmoured cable with clamping module				1	I		
	4F for armoured cable				4	I		C
	Without cable entry				5	I		
M25	1F for unarmoured cable with clamping module				6	I		
	4F for armoured cable				8	I		C
	Without cable entry				9	I		
M32 (3)	1F for unarmoured cable with clamping module				31	I		
	4F for armoured cable				34	I		C
	Without cable entry				35	I		

1) The triple-pole starters Ex d with overload relay without isolator, without fuse. Includes Start and Stop push buttons.

2) In the product code the ●● has to be replaced by one of the following coil voltage code:

P7 for 230V AC

Q7 for 380V AC

V7 for 400 V AC

Example: **AC1WD09 ●● 07** with a coil voltage of 230V AC and 2 x M25 1F cable glands on the positions A,H becomes **AC1WD09P707P16IC**

3) For product codes DE8BA with a rated current of 65A.