



Design Type E1

Vosseler's smallest range of centrifugal switches with radial switching feature has an added advantage of a non touching of stator and rotor at the start and during the running phase.

Contacts : Opener, 2 pairs of contacts serial, silver-cadmium plated

Synchronous

revolution speeds : **for 50 Hz**

size E1 01 = 1000, 1500, 3000 rpm
size E1 02 & 03 = 0750, 1000, 1500, 3000 rpm

for 60 Hz

size E1 01 = 1200, 1800, 3600 rpm
size E1 02 & 03 = 0900, 1200, 1800, 3600 rpm

The effective speed in the breaking moment is 80% of the synchronous speed.

Precision : $\pm 5\%$ of the breaking speed

Breaking capacity : size E1 01 = 15 A
size E1 02 = 18 A
size E1 03 = 22 A

The breaking capacity depends on different characteristics of the motor. Therefore the specified values can vary accordingly.

Durability : 500.000 switching cycles

Max. breaking sequence : 4 per minute

Bore holes of the rotor : Manufactured according to ISA fitting H7. The first of the specified dimensions is the standard size.

Sizes : 01 = 10 13 12 08 06 05 mm
02 = 16 15 14 12 10 mm
03 = 20 22 19 18 17 mm

The following models are available. They differ in mounting of the stator component :

Design E1 01.1 / E1 02.1 / E1 03.1

Mounting of the stator from switch side.
Stator provides normal boreholes.

Design E1 01.2 / E1 02.2 / E1 03.2

Mounting of the stator from outside of the motor.
Stator provides threads.

Note

The stator has to be mounted centrally to the axis. Keep specified distance (L) between stator and rotor. Before mounting, slide of the stator has to be in basic position (contacts closed).

	D _{max}	d _w	LR	R _a	D _t	d _i	d _b	d _s	a	b	h	L
01	40	6-13	15	22	34	14	4,2	M 4	26	47	15	27 ±1
02	52	10-16	15	29	44	17	4,2	M 4	33	58	19	29 ±1
03	62	17-22	15	38	52	23	4,2	M 4	38	65	22	32 ±1