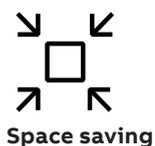


Electronic compact starters: HF range

More functions added, more space saved



ABB's electronic compact starter packs more functions into less space. The compact unit is just 22.5 mm wide and is suitable for three-phase motor loads up to 3 kW - 400 V AC. Direct-on-line and reversed starter with overload protection and emergency stop versions are available, making the range a perfect fit for high frequent and reliable long life switching of e.g. paper machines, conveyors, pumps, compressors and machine tools.



Space savings of up to 90 %

ABB's electronic compact starter saves cabinet space, and is especially effective for group mounting. The starter is just 22.5 mm wide and yet still provides motor starting functionalities with motor protection and safety embedded.



Safety function integrated

Protect your people with an emergency stop version that complies with SIL 3, PL e safety standards. Extend the life of your equipment and reduce maintenance costs with service lives that are ten times higher than electromechanical solutions.



Wiring time savings of up to 75 %

Wiring time during installation is cut to a minimum with motor protection, reversing function and emergency stop already integrated in the product. With just one component to install, the risk of wiring errors is also lower. Separate overload protection is no longer needed, further reducing the time spent on wiring tasks.

Electronic compact starters: HF range

More functions added, more space saved

ABB's HF range is more efficient and durable compared to conventional solutions. Smart use of semiconductors eliminates the wearing of contact materials. A microcontroller manages precise interaction between semiconductors and relays, making switching more gentle. With a lifespan of 30 million cycles now achievable, maintenance costs are lower.

Description

- 0.6 A, 2.4 A and 6.5 A, for motors up to 3 kW - 400 V AC
- Up to 9 A for resistive loads
- Rated operational voltage: 500 V AC
- Rated control supply voltage: 24 V DC
- Emergency stop (Atex, SIL 3, PL e) for selected reference
- Automatic, manual or remote reset after thermal trip
- Electrical life: 30 millions operating cycles
- Confirming to IEC / EN 60947-1, IEC / EN 60947-4-3



Just 22.5 mm wide

Wide motor current setting range means fewer product variants

Easy-to-read starter status: precise current setting with LED confirmation

Reset: direct manual reset of device with button, convenient remote or automatic reset after thermal trip



Ordering details

Description	Type	IEC			UL / CSA		Order code
		Current range AC-53a A	Rated operational power 400 V AC-53a kW	Rated operational current AC-51 A	Current range A	FLA 500 V A	
Direct-on-line starter with overload protection	HF0.6-DOL-24VDC	0.075 ... 0.6	0.18	0.6	0.075 ... 0.6	0.6	1SAT112000R1011
	HF2.4-DOL-24VDC	0.18 ... 2.4	0.75	2.4	0.18 ... 2.4	2.4	1SAT122000R1011
	HF9-DOL-24VDC	1.5 ... 6.5	3.0	9.0	1.5 ... 6.5	6.5	1SAT142000R1011
Direct-on-line starter with overload protection and emergency stop	HF0.6-DOLE-24VDC	0.075 ... 0.6	0.18	0.6	0.075 ... 0.6	0.6	1SAT113000R1011
	HF2.4-DOLE-24VDC	0.18 ... 2.4	0.75	2.4	0.18 ... 2.4	2.4	1SAT123000R1011
	HF9-DOLE-24VDC	1.5 ... 6.5	3.0	9.0	1.5 ... 6.5	6.5	1SAT143000R1011
Reversing starter	HF9-R-24VDC	6.5	3.0	9.0	1.5 ... 6.5	6.5	1SAT144000R1011
Reversing starter with overload protection	HF0.6-ROL-24VDC	0.075 ... 0.6	0.18	0.6	0.075 ... 0.6	0.6	1SAT115000R1011
	HF2.4-ROL-24VDC	0.18 ... 2.4	0.75	2.4	0.18 ... 2.4	2.4	1SAT125000R1011
	HF9-ROL-24VDC	1.5 ... 6.5	3.0	9.0	1.5 ... 6.5	6.5	1SAT145000R1011
Reversing starter with overload protection and emergency stop	HF0.6-ROLE-24VDC	0.075 ... 0.6	0.18	0.6	0.075 ... 0.6	0.6	1SAT116000R1011
	HF2.4-ROLE-24VDC	0.18 ... 2.4	0.75	2.4	0.18 ... 2.4	2.4	1SAT126000R1011
	HF9-ROLE-24VDC	1.5 ... 6.5	3.0	9.0	1.5 ... 6.5	6.5	1SAT146000R1011

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