

20 AMP GENERAL PURPOSE



Type XLS05 STARTER
with Auxiliary Contacts

INTERNATIONAL RATINGS

Technical Values

Type	LS05
	SH05
Permissible ambient temperature	+60 C
Rated insulation voltage	660V
Mechanical lifespan	10,000,000
General Purpose Amps	20A
Permissible switching frequency	1200 ops/hr

Short-circuit protection(Class gL)	
Highest rated fuse	20A
(without welding of contacts)	16A
Auxiliary switchHS05	220V 6A
AC-11-Duty Rated current	500V 2.5A
(a.c.)	600V 1.5A
	24V 5A
DC-11-Duty Rated current	110V 1.2A
(d.c.)	220V 0.6A
Operating coil	(Standard -20% - +10%)
	Closing 26VA
Power consumption Holding Phs	VA 4VA
Switching times at 1, 0 U_s	
(standard coil ')	closing delay 7-12 MS
	opening delay 6-13 MS

LS05 CONTACTOR
SH05 RELAY
B05 OVERLOAD RELAY

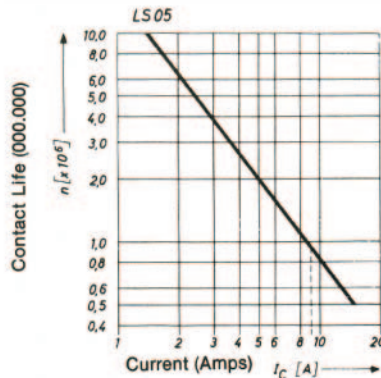
A stylish, and compact family of control relays, type SH05, contactors, type LS05, and overload relays, type B05. Complete with a comprehensive range of accessories, they provide the flexible solution for control systems.

A maximum 10 pole control relay, type SH05, with 6 auxiliary switches, is also available as a contactor, type LS05 with up to 6 auxiliary switches. Rated at 5 HP 480V, it has a high switching performance within its compact dimensions. Panel or DIN mountable.

Front mounting snap on auxiliary switch block, with up to 4 contacts in standard base module.



Type LS05 CONTACTOR



Contact life of the main contacts

The above diagram shows details of the contact life in relation to the breaking current, when switching resistive and inductive a.c. loads. The above does not relate to synchronising of phase position during switching.
 $n = \text{Contact Lifespan}$
 $I_C = \text{Breaking current}$

Contactors/Relay Accessories

A single pole auxiliary switch (1 N.O. or 1 N.C.) is available as an accessory, for side mounting, thus avoiding any increase in the high dimension.

Special auxiliary contacts for increased contact reliability at low voltages.

Front or side mounting time delay module 0.5 to 60 seconds.

Coil, overvoltage suppression module.

Mechanical interlock kit.



Type B05 OVERLOAD RELAY

Thermal Overload Relay Type B05

for direct mounting onto contactors type LS05, and LS07, also available with adaptor for separate mounting. Style and dimensions compatible with contactors.

DIN rail mounting uses an adaptor plate.

The lower coil, and auxiliary switch connection of the contactor is brought to a more accessible terminal.

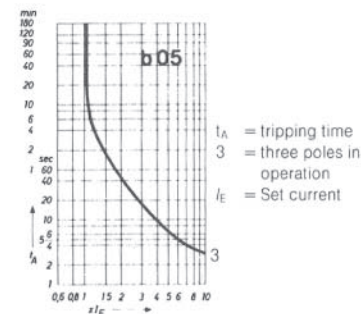
Ambient temperature compensation.

Single phase sensitivity is achieved by a differential tripping action.

Convertible Hand or Automatic reset feature. (Reset button: blue).

Separate red *Stop* button.

One N.C. auxiliary trip switch built in, with an additional *Snap* 1 N.O. auxiliary trip switch available if required.



Type B05 Overload Relay Tripping Characteristic(Example)

Curves show trip characteristic from cold condition. From warm condition, the tripping time can be reduced to approx. 25%. (Average values for all current range)

* See page 73 for Dimensions.