

Compact Direct On-line Starters - Overload Included



DOLC...

Order code	Control voltage [VAC]	Motor power at 400V [kW]	Horse power [HP]	Max motor current AC3 [A]	Dimensions H x W x D [mm]
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Compact direct on-line starter (3 phase) - **Complete with fitted overload relay**

DOLC0.75230	230	0.75	1	1.9	175 x 88 x 119
DOLC0.75400	400				
DOLC1.1230	230	1.1	1.5	2.7	
DOLC1.1400	400				
DOLC2.2230	230	2.2	3.0	5	
DOLC2.2400	400				
DOLC4.0230	230	4	5.5	8.6	
DOLC4.0400	400				

Steel Enclosed Star-Delta Starters - Overload Included



SDSI...

Order code	Control voltage [VAC]	Motor power at 400V [kW]	Horse power [HP]	Max motor current AC3 [A]	Dimensions H x W x D [mm]
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Star delta starter with isolator - **Overload included**

SDSI 11415	400	11	15	22	300 x 300 x 200
SDSI 15415	400	15	20	28	
SDSI 22415	400	22	30	42	
SDSI 30415	400	30	40	56	
SDSI 45415	400	45	60	83	500 x 400 x 200
SDSI 55415	400	55	75	98	
SDSI 75415	400	75	100	135	

Special Solutions

L-Starter Solutions provides bespoke starter solutions for OEM and unique volume applications. Starters can be manufactured to your bespoke requirements.

In this image are starters pre-wired with plugs ready for rapid install with external fixings removing the need for wiring by qualified persons.



Standard Direct On-line Starters - Overload Not Included



DOLC5.5...



DOLS...



DOLSW...

Order code	Control voltage [VAC]	Motor power at 400V [kW]	Horse power [HP]	Max motor current AC3 [A]	Dimensions H x W x D [mm]
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Compact direct on-line starter (3 phase) - **Requires RF9...overload relay**

DOLC5.5230	230	5.5	7.5	12	175 x 88 x 119
DOLC5.5400	400				

Standard direct on-line starter (3 phase) - **Requires RF38...overload relay**

DOLS5.5230	230	5.5	7.5	12	193 x 88 x 134
DOLS5.5400	400				
DOLS7.5230	230	7.5	10	18	193 x 88 x 134
DOLS7.5400	400				
DOLS11230	230	11	15	25	225 x 110 x 148
DOLS11400	400				
DOLS15230	230	15	20	28.5	
DOLS15400	400				

Standard direct on-line starter with isolator (3 phase)

Requires RF38...overload relay

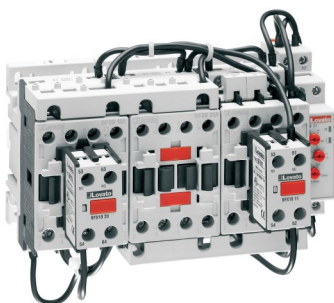
DOLSW5.5230	230	5.5	7.5	12	225 x 110 x 148
DOLSW5.5400	400				
DOLSW7.5230	230	7.5	10	18	
DOLSW7.5400	400				
DOLSW11230	230	11	15	25	
DOLSW11400	400				

Direct on-line reversing starter FWD/STOP/REV (3 phase)

Requires RF38...overload relay

DOLR5.5230	230	5.5	7.5	12	225 x 110 x 148
DOLR5.5400	400				
DOLR7.5230	230	7.5	10	18	
DOLR7.5400	400				
DOLR11230	230	11	15	25	
DOLR11400	400				

Open Frame Star-Delta



BFA009...BFA025

Order Code	Three-phase motor control. Max IEC operating current ($\leq 440V$) [A]	Motor power at 400V [kW]	Thermal overload relay
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Complete star-delta starters, open frame for starting time up to 12s and a maximum of 30 operations/hour

BFA009 70*	16	7.5	No
BFA012 70*	22	11	No
BFA018 70*	28	15	No
BFA025 70*	35	18.5	No
BFA026 70*	43	22	No
BFA038 70*	60	30	No

*Complete with coil voltage 024, 110, 230, 400VAC. Overload relay not included

Star-Delta Starters



YD...



YDSW...

Order code	Control voltage [VAC]	Motor power at 400V [kW]	Horse power [HP]	Max motor current AC3 [A]	Dimensions H x W x D [mm]
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Star delta starter - **Requires RF38...overload relay**

YD7.5230	230	7.5	10	15.2	220 x 280 x 170
YD7.5400	400				
YD11230	230	11	15	22	
YD11400	400				
YD15230	230	15	20	28	
YD15400	400				
YD22230	230	22	30	43	
YD22400	400				
YD30230	230	30	40	60	
YD30400	400				

Star delta starter with isolator - **Requires RF38...overload relay**

YDSW7.5230	230	7.5	10	15.2	220 x 280 x 170
YDSW7.5400	400				
YDSW11230	230	11	15	22	
YDSW11400	400				
YDSW15230	230	15	20	28	
YDSW15400	400				
YDSW22230	230	22	30	43	
YDSW22400	400				
YDSW30230	230	30	40	60	
YDSW30400	400				

Thermal Overload Relays - For DOLC...starters



RF9...

Order code	Adjustment range [A]	Three Phase Motor at 400V DOL [kW]	Three Phase Motor at 400V Star Delta [kW]
RF9 1	0.6 - 1	0.37	-
RF9 1V5	0.9 - 1.5	0.55	-
RF9 2V3	1.4 - 2.3	0.75	-
RF9 33	2 - 3.3	1.1	-
RF9 5	3 - 5	1.5	-
RF9 75	4.5 - 7.5	2.2	-
RF9 10	6.3 - 10	4.0	-
RF9 15	9 - 15	5.5	-

Thermal Overload Relays - For DOLS, DOLSW, DOLR, YD and YDSW...starters



RF38...

RF38 0100	0.63 - 1	0.25	-
RF38 0160	1 - 1.6	0.55	-
RF38 0250	1.6 - 2.5	0.75	-
RF38 0400	2.5 - 4	1.5	2.2 - 3
RF38 0650	4 - 6.5	2.2	4
RF38 1000	6.3 - 10	4	5.5 - 7.5
RF38 1400	9 - 14	5.5	11
RF38 1800	13 - 18	7.5	15
RF38 2300	17 - 23	11	18.5
RF38 3200	24 - 32	15	22
RF38 3800	32 ~ 38A	18.5	30

IMPORTANT

For DOL starters select RF...overload relay above for setting motor at full load current (FLC)

For YD star-delta starters select RF38...overload relay above for setting at 58% of full load current (FLC)