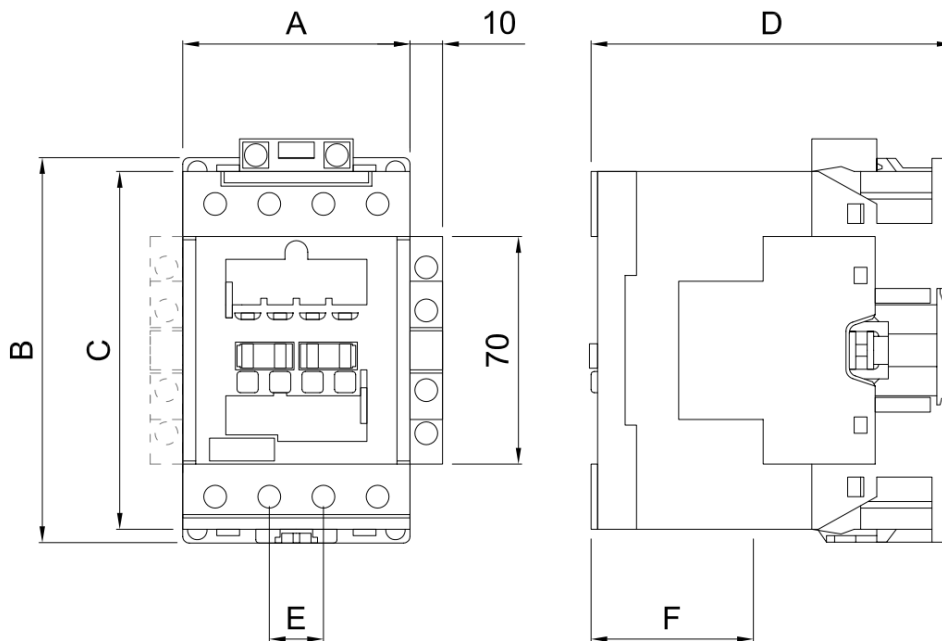


Switchgear Systems Ltd - Technical Data Sheet

AF Contactors 40A (AC1) - 125A (AC1)

- Manufactured by ABB
- Designed and tested in compliance with BS EN 60947-4-1.

TYPE (SERIES)				AF32	AF40	AF53	AF80
RATED OPERATIONAL VOLTAGE	U _e		V	690	690	690	690
RATED FREQUENCY (WITHOUT DERATING)			Hz	50/60	50/60	50/60	50/60
AC-3 UTILIZATION CATEGORY	240V	A		23.2	40	53	80
	440V			20	40	53	80
RATED OPERATIONAL POWER AC-3	240V	Kw		5.5	11	15	22
	440V			11	22	30	40
RATED MAKING CAPACITY	AC-3			10 X I _e AC-3 acc. To IEC 60947-4-1			
RATED Breaking CAPACITY	AC-3			8 X I _e AC-3 acc. To IEC 60947-4-1			
RATED SHORT TIME WITHSTAND CURRENT LOW (AT 40°C AMBIENT TEMPERATURE IN FREE AIR FROM A COLD STATE)	1 S	A		450	1000	1000	1200
	10 S			300	600	600	780
	30 S			225	350	350	450
	1 MIN			150	250	250	300
	15 MIN			55	110	110	140
MAXIMUM BREAKING CAPACITY (cos ϕ = 0.45)	440V	A		-	950	950	1100
	690V			-	600	600	750
POWER DISSIPATION PER POLE	I _e /AC-1	W		1.6	3	6.3	8
	I _e /AC-3			0.42	1	1.7	3.2
MAXIMUM ELECTRICAL SWITCHING FREQUENCY	AC-1	Cycles/h		600	600	600	600



Dimensions mm	A	B	C	D	E	F
AF32	45	80	71	101	11.5	40
AF40	70	119.5	110	113.5	17	50
AF52	70	119.5	110	113.5	17	50
AF80	90	119.5	110	113.5	17	50