



Product designation Product type designation			Power contactor B250
Contact characteristics			D230
Number of poles		nr.	4
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
operational modulotoy	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	350
Operational current le			
	AC-1 (≤40°C)	Α	350
	AC-1 (≤55°C)	Α	300
	AC-1 (≤70°C)	Α	250
	AC-3 (≤440V ≤55°C)	Α	265
	AC-4 (400V)	Α	92
Rated operational power AC-1 (T≤40°C)	( /		
	230V	kW	124
	400V	kW	214
	440480V	kW	282
	690V	kW	380
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			_
· ·	75V	Α	350
	110V	Α	160
	220V	Α	
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	350
	110V	Α	300
	220V	Α	250
	330V	Α	
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	350
	110V	Α	300
	220V	Α	300
	330V	Α	250
	460V	Α	
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	75V	Α	350
	110V	Α	300
	220V	Α	300
	330V	Α	300
	460V	Α	250

EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	280
	110V	Α	150
	220V	Α	
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	280
	110V	Α	250
	220V	Α	200
	330V	Α	
	460V	Α	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
20 max danona lo in 200 200 mai 210 2 fomo mai o poloci in dende	75V	Α	280
	110V	A	280
	220V	A	250
	330V		200
		A	
EC many augment to in DC2 DC5 with L/D < 45 may with 4 males in agrica	460V	A	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	751	^	000
	75V	A	280
	110V	Α	280
	220V	Α	280
	330V	Α	200
	460V	Α	200
Short-time allowable current for 10s (IEC/EN60947-1)		Α	2200
Protection fuse			
	gG (IEC)	Α	400
	aM (IEC)	Α	250
Making capacity (RMS value)		Α	2750
Breaking capacity at voltage			
	440V	Α	2500
	500V	Α	2250
	690V	Α	2200
Resistance per pole (average value)		mΩ	0.2
Power dissipation per pole (average value)			
, ,	Ith	W	24.5
	AC3	W	12.5
Fightening torque for terminals			
	min	Nm	35
	max	Nm	35
	min	lbin	25.8
	max	Ibin	25.8 25.8
Fightening torque for coil terminal	IIIAX	IUIII	20.0
ngmening torque for contentimal			1
	:	N I	1
	min	Nm Nm	1
	max	Nm	1
	max min	Nm Ibft	1 0.74
	max	Nm Ibft Ibft	1 0.74 0.74
·	max min	Nm Ibft	1 0.74 0.74 2
Power terminal protection according to IEC/EN 60529	max min	Nm Ibft Ibft	1 0.74 0.74
Power terminal protection according to IEC/EN 60529  Mechanical features	max min	Nm Ibft Ibft	1 0.74 0.74 2
Power terminal protection according to IEC/EN 60529  Mechanical features	max min	Nm Ibft Ibft	1 0.74 0.74 2
Max number of wires simultaneously connectable Power terminal protection according to IEC/EN 60529  Mechanical features  Operating position	max min	Nm Ibft Ibft	1 0.74 0.74 2

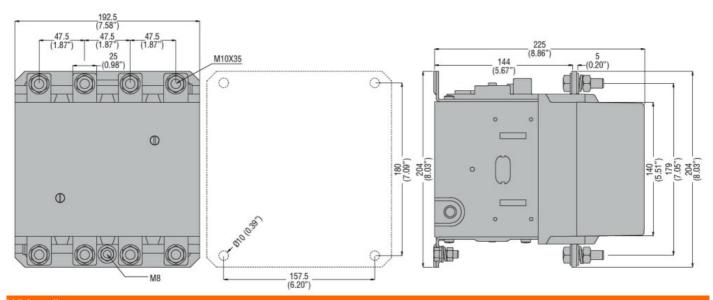
Weight g 1112  Operations  Mechanical life cycles 100000  Electrical life cycles 100000  Safety related data  Performance level B10d according to EN/ISO 13489-1  rated load cycles 100000  mechanical load cycles 100000  Mirror contats according to IEC/EN 609474-4-1  yes	
Mechanical life cycles 100000 Electrical life cycles 100000 Safety related data  Performance level B10d according to EN/ISO 13489-1  rated load cycles 100000 mechanical load cycles 1000000 Mirror contats according to IEC/EN 609474-4-1  yes	
Electrical life cycles 100000 Safety related data  Performance level B10d according to EN/ISO 13489-1  rated load cycles 100000 mechanical load cycles 100000 Mirror contats according to IEC/EN 609474-4-1  yes	
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rated load cycles 100000 mechanical load cycles 1000000 mechanical load cycles 1000000 yes	
Mirror contats according to IEC/EN 609474-4-1 mechanical load cycles 100000 yes	
Mirror contats according to IEC/EN 609474-4-1 yes	
	00
TMC as man at the little	
EMC compatibility yes	
AC coil operating	
Rated AC voltage at 50/60Hz, 60Hz	
min V 24	
max V 480	
AC operating voltage	
of 50/60Hz coil powered at 50Hz	
pick-up	
min %Us 80	
max %Us 110	
drop-out min %Us 20	
max %Us 60	
of 50/60Hz coil powered at 60Hz	
pick-up	
min %Us 80	
max %Us 110	
drop-out	
min %Us 20	
max %Us 60	
of 60Hz coil powered at 60Hz	
pick-up	
min %Us 80	
max %Us 110	
drop-out	
min %Us 20	
max %Us 60	
AC operating voltage at 20°C	
of 50/60Hz coil powered at 50Hz	
in-rush VA 300	
holding VA 10	
of 50/60Hz coil powered at 60Hz	
in-rush VA 300	
holding VA 10	
Dissipation at holding ≤20°C 50Hz W 10	
DC coil operating  DC rated control voltage	
DC rated control voltage	
min V 24 max V 500	
DC operating voltage	
pick-up min %Us 80	
max %Us 110	
11dx 7003 110	



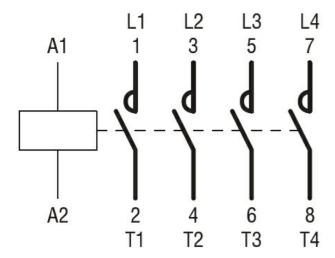
	drop-out				
	·		min	%Us	20
			max	%Us	60
Average coil consump	tion ≤20°C				
,			in-rush	W	300
			holding	W	10
Max cycles frequency			Holding	• • • • • • • • • • • • • • • • • • • •	10
Mechanical operation				cycles/h	2400
Operating times				Cycles/11	2400
Average time for Us co	ontrol				
Average time for US CC					
	in AC	Olasia a NO			
		Closing NO			0.0
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
	-		max	ms	75
	in DC				
		Closing NO			
			min	ms	80
			max	ms	120
		Opening NO			
			min	ms	30
			max	ms	75
UL technical data					
Full-load current (FLA)	for three-phase AC mot	or			
	·		at 480V	Α	240
			at 600V	Α	242
Yielded mechanical pe	erformance				
riolada ilidalianida po	for three-phase AC mo	otor			
	ioi unoo phaoo ito me	7.01	200/208V	hp	75
			220/230V	hp	100
			460/480V	hp	20
			575/600V	hp	250
General USE			373/0007	пр	200
General USE	Contactor				
	Contactor		٨٠	٨	250
Ambient conditions			AC current	А	350
Ambient conditions					
Temperature	O a service of the se				
	Operating temperature			0.0	50
			min	°C	-50 
			max	°C	70
	Storage temperature				
			min	°C	-60
			max	°C	80
Max altitude				m	3000
Resistance & Protection	on				
Pollution degree					3
Dimensions					

**ENERGY AND AUTOMATION** 

## FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 350A, AC/DC COIL, 220...240VAC/DC



#### Wiring diagrams



### Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC