



Product designation auxiliary contactor Product type designation BG12

1 reduct type designation			DO 12
Contact characteristics			
Number of poles		nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	20
Operational current le			
•	AC-1 (≤40°C)	Α	20
	AC-1 (≤55°C)	Α	130
	AC-3 (≤440V ≤55°C)	Α	12
	AC-4 (400V)	Α	4.8
Rated operational power AC-3 (T≤55°C)	· · · · · · · · · · · · · · · · · · ·		
, , ,	230V	kW	3.2
	400V	kW	5.7
	415V	kW	6.2
	440V	kW	5.5
	500V	kW	5
	690V	kW	5
Rated operational power AC-1 (T≤40°C)			
Traced operational power rio 1 (1-10 o)	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
Short-time allowable current for 10s (IEC/EN60947-1)	0001	A	96
Protection fuse			
T Totodion Tube	gG (IEC)	Α	20
	aM (IEC)	Α	16
Making capacity (RMS value)	aw (izo)	A	120
Breaking capacity at voltage			120
breaking capacity at voltage	440V	Α	96
	500V	A	72
	690V	_	72 72
Resistance per pole (average value)	0901	A mΩ	10
Power dissipation per pole (average value)		11122	10
r ower dissipation per pole (average value)	Ith	W	4
	AC3	W	4 1.4
Timbtoning towns for townsingle	AC3	VV	1.4
Tightening torque for terminals		NI	0.0
	min	Nm	0.8
		Nm	1
	max		
	max min max	Ibin Ibin	0.6 0.7



ENERGY AND AUTOMATION

Tightening torque for coil terminal		
m	in Nm	0.8
ma	x Nm	1
m	in Ibft	0.59
ma	x Ibft	0.74
Max number of wires simultaneously connectable	nr.	2
Conductor section		
Flexible w/o lug conductor section		
m	in mm²	0.8
ma		2.5
Flexible c/w lug conductor section	OX 111111	2.0
m	in mm²	1.5
ma	_	2.5
	IX IIIIII	2.0
Flexible with insulated spade lug conductor section	mama?	4 5
m		1.5
ma	x mm²	2.5
Power terminal protection according to IEC/EN 60529		IP20
Mechanical features		
Operating position		
norm		vertical plan
allowab	le	±30°
Fixing		Screw / DIN rai
		35mm
Veight	g	200
Auxiliary contact characteristics		
Гуре of contact		1 NA
Thermal current Ith	Α	10
EC/EN 60947-5-1 designation		A600
Operating current AC15		
230	V A	3
400		1.9
500		1.4
Operating current DC12		
110	V A	2.9
Operating current DC13	<u> </u>	2.0
24	V A	2.9
24		
40		1.4
48		4.0
60	V A	1.2
60 110	V A V A	0.6
60 110 125	V A V A V A	0.6 0.55
60 110 125 220	V A V A V A	0.6 0.55 0.3
60 110 125 220 600	V A V A V A	0.6 0.55
600 110 125 220 600 Dperations	V A V A V A	0.6 0.55 0.3
600 110 125 220 600 Operations	V A V A V A	0.6 0.55 0.3 0.1
60 110 125 220 600 Operations Mechanical life	V A V A V A V A	0.6 0.55 0.3 0.1
60 110 125 220 600 Operations Mechanical life Electrical life	V A V A V A V A V A Cycles	0.6 0.55 0.3 0.1
60 110 125 220 600 Derations Mechanical life Electrical life Safety related data	V A V A V A V A V A Cycles	0.6 0.55 0.3 0.1
60 110 125 220 600 Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1	V A V A V A V A V A Cycles	0.6 0.55 0.3 0.1 20000000 500000
60 110 125 220 600 Degrations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated load	V A V A V A V A V A cycles cycles	0.6 0.55 0.3 0.1 20000000 500000
60 110 125 220 600 Degrations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated loa mechanical load	V A V A V A V A V A Cycles cycles	0.6 0.55 0.3 0.1 20000000 500000 500000 20000000
60 110 125 220 600 Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated loa mechanical loa Mirror contats according to IEC/EN 609474-4-1	V A V A V A V A V A cycles cycles	0.6 0.55 0.3 0.1 20000000 500000 500000 20000000 true
60 110 125 220 600 Operations Mechanical life Electrical life Safety related data Performance level B10d according to EN/ISO 13489-1 rated load	V A V A V A V A V A cycles cycles	0.6 0.55 0.3 0.1 20000000 500000 500000 20000000



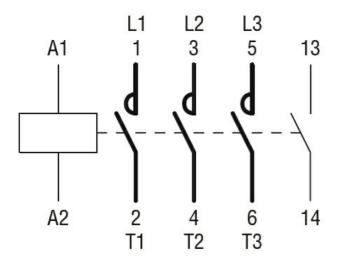
Stycznik 3 polowy, 12A w AC3, wbudowany zestyk 1NO, 230VAC 50/60Hz

		min	V	12
		max	V	575
AC operating voltag	e			
	of 50/60Hz coil powered at 50H	łz		
	pick-up)		
		min	%Us	75
		max	%Us	115
	drop-ou	ut		
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60H			
	pick-up			
		min	%Us	80
		max	%Us	115
	drop-ou			
		min	%Us	20
		max	%Us	55
AC operating voltag	e at 20°C	ax		
operating voitag	of 50/60Hz coil powered at 50H	1 7		
	or ourself is con powered at our	in-rush	VA	30
		holding	VA	4
	of 50/60Hz coil powered at 60H		٧٨	-
	or 50/60H2 con powered at 60F	in-rush	VA	25
	. (0011	holding	VA	3
	of 60Hz coil powered at 60Hz			0.0
		in-rush	VA	30
		holding	VA	4
Dissipation at holdir	ig ≤20°C 50Hz		W	0.9
DC coil operating				
DC rated control vo	tage			
		min	V	6
		max	V	250
Average coil consui	nption ≤20°C			
		in-rush	W	3.2
		holding	W	3.2
Max cycles frequen	су	holding	W	3.2
	•	holding	W cycles/h	
Mechanical operation	•	holding		
Mechanical operation Operating times	ns	holding		
Mechanical operation Operating times	ns	holding		
Mechanical operation Operating times	control in AC			
Mechanical operation Operating times	ons control	g NO	cycles/h	3600
Mechanical operation Operating times	control in AC	g NO min	cycles/h	3600
Mechanical operation Operating times	ons s control in AC Closing	g NO min max	cycles/h	3600
Mechanical operation Operating times	control in AC	g NO min max ng NO	cycles/h ms ms	3600 12 21
Mechanical operation Operating times	ons s control in AC Closing	g NO min max ng NO min	ms ms ms	3600 12 21 9
Mechanical operation Operating times	ons s control in AC Closing Openin	g NO min max ng NO min max	cycles/h ms ms	3600 12 21
Mechanical operation Operating times	ons s control in AC Closing	g NO min max ng NO min max	ms ms ms ms	3600 12 21 9 18
Mechanical operation Operating times	ons s control in AC Closing Openin	g NO min max ng NO min max g NC min	ms ms ms ms	3600 12 21 9 18
Mechanical operation Operating times	ons s control in AC Closing Openin Closing	g NO min max ng NO min max g NC min max	ms ms ms ms	3600 12 21 9 18
Mechanical operation Operating times	ons s control in AC Closing Openin	g NO min max ng NO min max g NC min max	ms ms ms ms ms	3600 12 21 9 18 17 26
Max cycles frequen Mechanical operation Operating times Average time for Us	ons s control in AC Closing Openin Closing	g NO min max ng NO min max g NC min max ng NC min max	ms ms ms ms ms	3600 12 21 9 18 17 26 7
Mechanical operation Operating times	ons control in AC Closing Openin Closing Openin	g NO min max ng NO min max g NC min max	ms ms ms ms ms	3600 12 21 9 18 17 26
Mechanical operation Operating times	ons s control in AC Closing Openin Closing	g NO min max ng NO min max g NC min max ng NC min max ng NC min max ng NC min max ng NC	ms ms ms ms ms	3600 12 21 9 18 17 26 7



min ms 18 max ms 25 Opening NO min ms 2 max ms 3 Closing NC min ms 3 max ms 5 Opening NC min ms 11 max ms 17
Opening NO min ms 2 max ms 3 Closing NC min ms 3 max ms 5 Opening NC min ms 11 max ms 17
min ms 2 max ms 3 Closing NC min ms 3 max ms 5 Opening NC min ms 11 max ms 17
Closing NC min ms 3 max ms 3 Closing NC min ms 3 max ms 5 Opening NC min ms 11 max ms 17
Closing NC min ms 3 max ms 5 Opening NC min ms 11 max ms 17
min ms 3 max ms 5 Opening NC min ms 11 max ms 17
max ms 5 Opening NC min ms 11 max ms 17
Opening NC min ms 11 max ms 17
min ms 11 max ms 17
max ms 17
UL technical data
Full-load current (FLA) for three-phase AC motor
at 480V A 11
at 600V A 11
Yielded mechanical performance
for single-phase AC motor
110/120V hp 0.5
230V hp 1.5
for three-phase AC motor
200/208V hp 3
220/230V hp 3
460/480V hp 7.5
575/600V hp 10
Contact rating of auxiliary contacts according to UL A600 - Q600
General USE
Contactor
AC current A 20
Ambient conditions
Temperature
Operating temperature
min °C -40
max °C 60
Storage temperature
min °C -55
max °C 70
Max altitude m 3000
Resistance & Protection
Resistance & Protection Pollution degree 3
Resistance & Protection Pollution degree 3 Dimensions
Resistance & Protection Pollution degree 3 Dimensions
Resistance & Protection Pollution degree Dimensions 3 Dimensions
Resistance & Protection Pollution degree Dimensions 3 Dimensions
Pollution degree 3 Dimensions 44 (0.17") (0
Pollution degree Dimensions 3 Dimensions
Pollution degree Dimensions 3 Dimensions
Pollution degree 3 Dimensions 4.4 (0.17") (0.17") (0.38") (0
Pollution degree 3 Dimensions 4.4 (0.17") (0.38") (0.38") (0.38") 3 Dimensions
Pollution degree 3 Dimensions 4.4 (0.17") (0.17") (0.38") (0





Certifications and compliance

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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

ETIM 6 classification

EC000066 - Power contactor, AC switching