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Product designation			Power contactor
Product type designation			BG09
Contact characteristics		r	2
Number of poles		nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			05
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		A	20
Operational current le			
	AC-1 (≤40°C)	A	20
	AC-3 (≤440V ≤55°C)	A	9
	AC-4 (400V)	A	4
Rated operational power AC-3 (T≤55°C)			
	230V	kW	2.2
	400V	kW	4
	415V	kW	4.3
	440V	kW	4.5
	500V	kW	5
	690V	kW	5
Rated operational power AC-1 (T≤40°C)			
	230V	kW	8
	400V	kW	14
	500V	kW	16
	690V	kW	22
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	А	12
	48V	А	10
	75V	А	4
	110V	А	3
	220V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	15
	48V	А	14
	75V	А	9
	110V	А	8
	220V	А	-
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	16
	48V	А	16
	75V	А	10
	110V	А	10
	220V	А	2

IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series



gG (IEC) aM (IEC) A 20 and (IEC) Making capacity (RMS value) A 92 Breaking capacity at voltage 440V A 72 Breaking capacity at voltage 440V A 72 Solov A 72 500V A 72 Resistance per pole (average value) mΩ 10 10 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 Tightening torque for terminals min Nm 1 min Nm 0.59 max Ibin 0.74 Tightening torque for coil terminal min Nm 1 min 1 max Ibin 0.74 1 min 1 1				
48V A 16 75V A 10 220V A 2 EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series \$24V A 7 48V A 6 75V A 2 110V A 1 220V A 7 48V A 6 75V A 2 110V A 1 220V A - EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series \$24V A 8 75V A 8 10 48 A 220V A - - - - EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series \$24V A 10 75V A 6 110V A 6 110V A 10 48V A 10 75V A 6 110V A 5 210V A 10		≤24V	А	16
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		48V		
220V A 2 EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series 524V A 7 48V A 6 75V A 2 110V A 1 220V A - EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series 524V A 8 75V A 5 110V A 4 220V A - - - EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series 524V A 10 48V A 10 48V A 10 48V A 10 75V A 6 110V A 5 220V A 0.8 EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series 524V A 10 48V A 10 48V A 10 75V A 6 110V A 5 200V A 10 <		75V	А	10
EC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series $\begin{array}{c} \leq 24V & A & 7 \\ 48V & A & 6 \\ 75V & A & 2 \\ 110V & A & 1 \\ 220V & A & - \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 8 \\ 48V & A & 8 \\ 75V & A & 5 \\ 110V & A & 4 \\ 220V & A & - \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \qquad \qquad$		110V	А	10
$ \begin{array}{c c c c c c } & \leq 24 & \forall & A & 7 \\ & 48 & \forall & A & 6 \\ & 75 & \lor & A & 2 \\ & 110 & A & 1 \\ & 220 & A & 1 \\ & 220 & A & 1 \\ & 220 & A & 5 \\ & 110 & A & 8 \\ & 48 & \lor & A & 8 \\ & 75 & \lor & A & 5 \\ & 110 & A & 4 \\ & 220 & A & - \end{array} $		220V	А	2
$ \begin{array}{c c c c c c } & \leq 24 & \forall & A & 7 \\ & 48 & \forall & A & 6 \\ & 75 & \lor & A & 2 \\ & 110 & A & 1 \\ & 220 & A & 1 \\ & 220 & A & 1 \\ & 220 & A & 5 \\ & 110 & A & 8 \\ & 48 & \lor & A & 8 \\ & 75 & \lor & A & 5 \\ & 110 & A & 4 \\ & 220 & A & - \end{array} $	IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		≤24V	А	7
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		48V		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		75V	А	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 8 \\ 48V & A & 8 \\ 75V & A & 5 \\ 110V & A & 4 \\ 220V & A & - \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 76V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 76V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ Short-time allowable current for 10s (IEC/EN60947-1) A 96 Protection fuse $\begin{array}{c} gG (IEC) & A & 20 \\ aM (IEC) & A & 10 \\ Making capacity at voltage & A & 92 \\ \hline 3reaking capacity at voltage & A & 92 \\ \hline 3reaking capacity at voltage & A & 72 \\ \hline 440V & A & 72 \\ \hline 690V & A & 72 \\ \hline 72 \\ $		110V	А	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series $\begin{array}{c} \leq 24V & A & 8 \\ 48V & A & 8 \\ 75V & A & 5 \\ 110V & A & 4 \\ 220V & A & - \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 76V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\begin{array}{c} \leq 24V & A & 10 \\ 48V & A & 10 \\ 76V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array}$ Short-time allowable current for 10s (IEC/EN60947-1) A 96 Protection fuse $\begin{array}{c} gG (IEC) & A & 20 \\ aM (IEC) & A & 10 \\ Making capacity at voltage & A & 92 \\ \hline 3reaking capacity at voltage & A & 92 \\ \hline 3reaking capacity at voltage & A & 72 \\ \hline 440V & A & 72 \\ \hline 690V & A & 72 \\ \hline 72 \\ $				_
$\begin{aligned} & \leq 24V & A & 8 \\ & 48V & A & 8 \\ & 48V & A & 5 \\ & 110V & A & 4 \\ & 220V & A & - \\ & 10V & A & 5 \\ & 220V & A & 6 \\ & 110V & A & 5 \\ & 220V & A & 6 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ & 110V & A & 72 \\ & 690V & A & 72 \\ & 690V$	IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
75V A 5 110V A 4 220V A - EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series 524V A 10 48V A 10 48V A 10 75V A 6 110V A 5 220V A 0.8 220V A 10 75V A 6 110V A 5 220V A 0.8 20V A 10 48V A 10 48V A 10 48V A 10 48V A 6 110V A 5 220V A 0.8 Short-time allowable current for 10s (IEC/EN60947-1) A 96 92 Protection fuse 440V A 72 3reaking capacity at voltage 440V A 72 Soot A 72 500V A 72 <td></td> <td>≤24V</td> <td>А</td> <td>8</td>		≤24V	А	8
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		48V	А	8
$\begin{array}{c c c c c c c } \hline 220V & A & - \\ \hline EC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series $$24V & A & 10 \\ & 48V & A & 10 \\ & 75V & A & 6 \\ & 110V & A & 5 \\ & 220V & A & 0.8 \\ \hline EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series $$22V & A & 10 \\ & 48V & A & 10 \\ & 76V & A & 6 \\ & 110V & A & 5 \\ \hline 220V & A & 6 \\ & 110V & A & 5 \\ \hline 220V & A & 0.8 \\ \hline \\ $		75V	А	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $\begin{array}{c} $		110V	А	
EC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series $\begin{array}{c} $			А	
$\begin{aligned} & \leq 24 \forall \\ & A \\ & 10 \\ & 48 \forall \\ & A \\ & 10 \\ & 75 \forall \\ & A \\ & 5 \\ & 220 \forall \\ & A \\ & 0.8 \end{aligned}$ EC max current le in DC3-DC5 with L/R < 15ms with 4 poles in series $\begin{aligned} & \leq 24 \forall \\ & A \\ & 10 \\ & 48 \forall \\ & A \\ & 10 \\ & 75 \forall \\ & A \\ & 6 \\ & 110 \forall \\ & A \\ & 10 \\ & 75 \forall \\ & A \\ & 6 \\ & 110 \forall \\ & A \\ & 10 \\ & 75 \forall \\ & A \\ & 6 \\ & 110 \forall \\ & A \\ & 6 \\ & 20 \\ & a \\ & 10 \\ & 20 \forall \\ & A \\ & 96 \\ & 20 \\ & a \\ & 10 \\ & 20 \forall \\ & A \\ & 96 \\ & 20 \\ & a \\ & 10 \\ & 20 \\ & a \\ & 10 \\ & 20 \\ & a \\ & 10 \\ & 10 \\ & 20 \\ & a \\ & 10 $	IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
$ \begin{array}{cccc} 48V & A & 10 \\ 75V & A & 6 \\ 110V & A & 5 \\ 220V & A & 0.8 \end{array} \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ \hline \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ \hline \\ \\ EC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $		≤24V	А	10
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
220V A 0.8 EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series $\leq 24V$ A 10 48V A 10 $48V$ A 10 48V A 10 $75V$ A 6 110V A 5 $220V$ A 96 Protection fuse gG (IEC) A 20 add (IEC) A 92 Protection fuse gG (IEC) A 20 add (IEC) A 92 Protection fuse gG (IEC) A 20 add (IEC) A 92 Protection fuse gG (IEC) A 72 500V A 72 Reaking capacity (RMS value) A 72 500V A 72 Resistance per pole (average value) mQ 10 10 Prower dissipation per pole (average value) mQ 10 10 Prower dissipation per pole (average value) mX V 4 AC3 W 0.81 <td></td> <td></td> <td></td> <td></td>				
EC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC3-DC5 with $L/R \le 15$ with 4 poles in series			0.0
48V A 10 75V A 6 110V A 5 220V A 0.8 Protection fuse G (IEC) A 96 Protection fuse gG (IEC) A 20 aM (IEC) A 10 Maxing capacity (RMS value) A 92 Breaking capacity at voltage A 92 Shotve (A) 72 Breaking capacity at voltage 440V A 72 Breaking capacity at voltage mΩ 10 Power dissipation per pole (average value) mΩ 0.81 Tightening torque for terminals min Nm 1 min Nm 1 min 1.59 max Nm 1 0.74 1		<24\/	Δ	10
75V A 6 110V A 5 220V A 0.8 Short-time allowable current for 10s (IEC/EN60947-1) A 96 Protection fuse gG (IEC) A 20 aM (IEC) A 10 4 Making capacity (RMS value) A 92 Breaking capacity at voltage 440V A 72 500V A 72 690V A 72 Resistance per pole (average value) mΩ 10 10 Power dissipation per pole (average value) mΩ 10 10 Power dissipation per pole (average value) mΩ 10 10 Power dissipation per pole (average value) mín Nm 0.81 Fightening torque for terminals min Nm 1 Tightening torque for coil terminal min Nm 1 Tightening torque for coil terminal min Nm 1 min Nm 0.81 0.74				
110V A 5 220V A 0.8 Short-time allowable current for 10s (IEC/EN60947-1) A 96 Protection fuse gG (IEC) A 20 all (IEC) A 10 10 Vaking capacity (RMS value) A 92 3 Breaking capacity at voltage 440V A 72 Stance per pole (average value) mΩ 10 Power dissipation per pole (average value) mín NM 4 AC3 W 0.81 3 3 Fightening torque for terminals min Nm 1 3 Tightening torque for coil terminal min Nm 0.8 3 max Nm 1 1 3 3 3 <td></td> <td></td> <td></td> <td></td>				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
Short-time allowable current for 10s (IEC/EN60947-1) A 96 Protection fuse gG (IEC) A 20 aM (IEC) A 10 Making capacity (RMS value) A 92 Breaking capacity at voltage 440V A 72 Streaking capacity at voltage 440V A 72 Resistance per pole (average value) mΩ 10 Power dissipation per pole (average value) mΩ 10 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 10 Power dissipation per pole (average value) min Nm 1.8 Fightening torque for terminals min Nm 0.8 max Nm 1 min 1.0 Fightening torque for coil terminals min Nm 0.8 max Nm 1 min 1.6 Gibtening torque for coil terminal min Nm 0.8 max Nm 1 min 1.6 </td <td></td> <td></td> <td></td> <td></td>				
Protection fuse $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	Short-time allowable current for 10s (IEC/EN60947-1)		А	96
aM (IEC) A 10 Making capacity (RMS value) A 92 Breaking capacity at voltage 440V A 72 Solov A 72 690V A 72 Resistance per pole (average value) mΩ 10 10 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 1 Tightening torque for terminals min Nm 0.8 min Ibin 0.59 max Nm Tightening torque for coil terminal min Nm 0.8 min Ibin 0.59 max Nm 1 min Ibin 0.59 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibit 0.8 max Ibit 0.8 max Ibit 0.74	Protection fuse			
Making capacity (RMS value) A 92 Breaking capacity at voltage 440V A 72 500V A 72 690V A 72 Power dissipation per pole (average value) mΩ 10 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 1 Tightening torque for terminals min Nm 1.8 Fightening torque for coil terminal min 0.74 Fightening torque for coil terminal min Nm 1.8 max Nm 1 1 1 min Ibin 0.74 1 1		gG (IEC)	А	20
Making capacity (RMS value) A 92 Breaking capacity at voltage 440V A 72 500V A 72 690V A 72 Power dissipation per pole (average value) mΩ 10 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 1 Tightening torque for terminals min Nm 1.8 Fightening torque for coil terminal min 0.74 Fightening torque for coil terminal min Nm 1.8 max Nm 1 1 1 min Ibin 0.74 1 1		aM (IEC)	А	10
440V A 72 500V A 72 690V A 72 690V A 72 690V A 72 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 Fightening torque for terminals min Nm 0.8 max Nm 1 min 0.59 max Ibin 0.74 0.74 Fightening torque for coil terminal min Nm 1.8 Min 0.8 max Nm 1 min Ibin 0.59 max Ibin 0.74 Fightening torque for coil terminal min Nm 1.8 max Nm 1 min Ibin 0.74 0.8 max Ibft 0.8	Making capacity (RMS value)		А	92
440V A 72 500V A 72 690V A 72 690V A 72 690V A 72 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 Fightening torque for terminals min Nm 0.8 max Nm 1 min 0.59 max Ibin 0.74 0.74 Fightening torque for coil terminal min Nm 1.8 Min 0.8 max Nm 1 min Ibin 0.59 max Ibin 0.74 Fightening torque for coil terminal min Nm 1.8 max Nm 1 min Ibin 0.74 0.8 max Ibft 0.8	Breaking capacity at voltage			
500V A 72 690V A 72 Resistance per pole (average value) mΩ 10 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 Tightening torque for terminals min Nm 0.8 max Nm 1 min 10 Tightening torque for coil terminals min Nm 0.8 max Nm 1 min 0.59 max Ibin 0.74 0.74 Tightening torque for coil terminal min Nm 1 min Ibin 0.8 max Nm 1		440V	А	72
Resistance per pole (average value) mΩ 10 Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 Tightening torque for terminals min Nm 0.8 min Nm 0.8 max Nm 1 Tightening torque for coil terminal min 1bin 0.59 max Ibin 0.74 Tightening torque for coil terminal min Nm 0.8 max Nm 1 Min Nm 0.8 max Ibin 0.74		500V	А	72
Power dissipation per pole (average value) Ith W 4 AC3 W 0.81 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 0.59 max Ibin 0.74 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibit 0.8 max Nm 1 min Ibft 0.8 max Ibft 0.74		690V	А	72
Ith W 4 AC3 W 0.81 Tightening torque for terminals min Nm 0.8 min Ibin 0.59 max Ibin 0.74 Tightening torque for coil terminal min Nm 0.8 min Ibin 0.74 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibft 0.8 max Ibft 0.8 max Ibft 0.8 max Ibft 0.8 max Ibft 0.74	Resistance per pole (average value)		mΩ	10
AC3 W 0.81 Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 0.59 max Ibin 0.74 Tightening torque for coil terminal min Nm 0.8 min Ibin 0.74 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibft 0.8 min Ibft 0.8 max Ibft 0.74	Power dissipation per pole (average value)			
Tightening torque for terminals min Nm 0.8 max Nm 1 min Ibin 0.59 max Ibin 0.74 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min Ibft 0.8 max Ibft 0.74		lth	W	4
min Nm 0.8 max Nm 1 min Ibin 0.59 max Ibin 0.74 Tightening torque for coil terminal Min Nm 0.8 max Nm 1 min Ibft 0.8 max Ibft 0.74		AC3	W	0.81
maxNm1minIbin0.59maxIbin0.74Tightening torque for coil terminalminNm0.8maxNm1minIbft0.8maxIbft0.8maxIbft0.74	Tightening torque for terminals			
minIbin0.59 maxTightening torque for coil terminalminNm0.8 maxminNm1 min16ft0.8 maxminIbft0.74		min	Nm	0.8
maxIbin0.74Tightening torque for coil terminalminNm0.8maxNm1minIbft0.8minIbft0.8maxIbft0.74		max	Nm	1
Tightening torque for coil terminal min Nm 0.8 max Nm 1 min lbft 0.8 max lbft 0.74		min	lbin	0.59
min Nm 0.8 max Nm 1 min Ibft 0.8 max Ibft 0.74		max	lbin	0.74
max Nm 1 min lbft 0.8 max lbft 0.74	Tightening torque for coil terminal			
min lbft 0.8 max lbft 0.74		min	Nm	0.8
max lbft 0.74		max	Nm	1
		min	lbft	0.8
Max number of wires simultaneously connectable nr. 2		max	lbft	0.74
	Max number of wires simultaneously connectable		nr.	2



Conductor section

Conductor section				
	Flexible w/o lug conductor section			
		min	mm²	0.75
		max	mm²	2.5
	Flexible c/w lug conductor section			
	-	min	mm²	1.5
		max	mm²	2.5
	Flexible with insulated spade lug conductor section			
		min	mm²	1.5
		max	mm²	2.5
Power terminal protect	tion according to IEC/EN 60529			IP20 when wired
Mechanical features				
Operating position				
51		normal		Vertical plan
		allowable		±30°
		anowabio		Screw / DIN rail
Fixing				35mm
Weight			g	177
Auxiliary contact chara			Э	
Type of contact				1 NO
Thermal current Ith			A	10
	aignotion		A	
IEC/EN 60947-5-1 des				A600 - Q600
Operating current AC1	5	0001/	•	0
		230V	A	3
		400V	A	1.9
		500V	A	1.4
Operating current DC1	2			
		110V	A	2.9
Operating current DC1	3			
		24V	A	2.9
		48V	А	1.4
		60V	А	1.2
		110V	А	0.6
		125V	А	0.55
		220V	А	0.3
		600V	А	0.1
Operations				
Mechanical life			cycles	2000000
Electrical life			cycles	500000
Safety related data				
Performance level B10	0d according to EN/ISO 13489-1			
		rated load	cycles	500000
	mecha	nical load	cycles	2000000
Mirror contats accordir	ng to IEC/EN 609474-4-1			yes
EMC compatibility				Yes
Rated AC voltage at 60	OHz		V	48
AC coil operating				
AC operating voltage				
	of 60Hz coil powered at 60Hz			
	pick-up			
	Plot up	min	%Us	75
		max	%Us	115
	drop-out	Παλ	/003	110



			min	%Us	20
			max	%Us	55
AC average coil consu	imption at 20°C				
	of 50/60Hz coil p	owered at 50Hz			
	01 00/00112 0011 p		in-rush	VA	30
			holding	VA	4
	of 50/60Hz coil p	owered at 60Hz	noiding	٧٨	4
			in much	١/٨	05
			in-rush	VA	25
			holding	VA	3
	of 60Hz coil pow	ered at 60Hz			
			in-rush	VA	30
			holding	VA	4
Dissipation at holding :	≤20°C 50Hz			W	0.95
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times				, i i i i i i i i i i i i i i i i i i i	
Average time for Us co	ontrol				
	in AC				
	III AO				
		Closing NO	min	me	12
				ms	
			max	ms	21
		Opening NO			
			min	ms	9
			max	ms	18
		Closing NC			
			min	ms	17
			max	ms	26
		Opening NC			
			min	ms	7
			max	ms	17
	in DC				
	in DO	Closing NO			
			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
UL technical data					
Full-load current (FLA)	for three-phase A	C motor			
			at 480V	А	7.6
			at 600V	A	6.1
Yielded mechanical pe	orformance			<i>/</i> \	5.1
neided mechanical pe		AC motor			
	for single-phase	AC MOTOL	110/1001		0 5
			110/120V	HP	0.5
			230V	HP	1.5
	for three-phase	AC motor			
			200/208V	HP	2
			220/230V	HP	3

11BG0910A04860 The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



ENERGY AND ACTOMATION			
	460/480V	HP	5
	400/480V 575/600V	HP	5
General USE	373/0007		5
Contactor			
Contactor	AC current	А	20
Short-circuit protection fuse, 600V			20
High fault			
	Short circuit current	kA	100
	Fuse rating	А	30
	Fuse class		J
Standard fault			
	Short circuit current	kA	5
	Fuse rating	Α	30
Contact rating of auxiliary contacts according to UL			A600 - Q600
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-50
	max	°C	+70
Storage temperature			
	min	°C	-60
Mary aktivela	max	°C	+80
Max altitude Resistance & Protection		m	3000
Pollution degree			3
Dimensions			3
4.4 (0.17") (0.18") (0	44 (1.73") (1.73") (1.73") (1.37") (0.12" (0.12") (0.12"	(2 (2 (2 (2 (2)) (2)) (2)) (2)) (2)) (2	57
$ \begin{array}{c c} L1 & L2 & L3 \\ 1 & 3 & 5 & 13 \\ \hline \\ $			

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	
ETIM classification		
		EC000066 -

ETIM 8.0

EC000066 -Power contactor, AC switching