



Contact characteristics       nr.       4         Number of poles       nr.       4         Rated insulation voltage Ui IEC/EN       V       6         Operational frequency       min       Hz       25         max       Hz       400       12         IEC Conventional frequency       min       Hz       25         max       Hz       400       160         Operational current le       A       10       0         Operational current for 10s (IEC/EN60947-1)       A       160       160         Short-time allowable current for 10s (IEC/EN60947-1)       A       0       16         Protection fuse       gG (IEC)       A       16       16         Tightening torque for coil terminals       min       Nm       0.8       nmax       Nm       1         Tightening torque for coil terminal       min       Nm       0.8       nmax       Nm       1       16       16         Tightening torque for coil terminal       min       Nm       0.8       nmax       Nm       1       16       16       16       16       16       16       16       16       16       16       16       16       16       16       <	Product designation				Auxiliary contactor
Number of poles         nr.         4           Rated insulation voltage Ui IEC/EN         V         690           Rated insulation voltage Uimp         kV         6           Operational frequency         min         Hz         25           max         Hz         400         10           Operational current le         A         10         10           Operational current le         AC-1 (≤40°C)         A         160           Short-time allowable current for 10s (IEC/EN60947-1)         A         0         16           Protection fuse         gG (IEC)         A         16           Tightening torque for terminals         min         Nm         0.8           max         Nm         1         1           Tightening torque for coil terminal         min         Nm         0.8           max         Nm         1         1         1           min         Ibit         0.74         74         1           Tightening torque for coil terminal         min         Nm         1         1           max         Nm         1         0.74         1         1           Conductor section         max         min         1.8					BG00
Rated insulation voltage Ui IEC/EN       V       690         Rated inpulse withstand voltage Uimp       KV       6         Operational frequency       min       Hz       25         max       Max       400       125         IEC Conventional free air thermal current lth       A       10         Operational current le       AC-1 (s40°C)       A       160         Short-time allowable current for 10s (IEC/EN60947-1)       A       0         Protection fuse       gG (IEC)       A       16         Tightening torque for terminals       min       Nm       0.8         max       Ibin       0.74       1         Tightening torque for coil terminal       min       Nm       0.8         max       Ibin       0.74       1       0.74         Tightening torque for coil terminal       min       Nm       0.8         max       Ibin       0.74       1       0.74         Max number of wires simultaneously connectable       nr.       2       2         Conductor section       min       min       1.5       max         Flexible w/w lug conductor section       min       mm <sup>2</sup> 2.5         Flexible with insulated spade lug conductor		CS			
Rated impulse withstand voltage Uimp       kV       6         Operational frequency       min       Hz       25         max       Hz       400       400         Operational frequency       A       10         Operational current le       A       10         Operational current le       A       160         Short-time allowable current for 10s (IEC/EN60947-1)       A       0         Protection fuse       gG (IEC)       A       16         Tightening torque for terminals       min       Nm       0.8         max       Nm       1       min       10         Tightening torque for coil terminal       min       Nm       0.8         max       Ibf       0.74       74         Tightening torque for coil terminal       min       Nm       1.8         Max number of wires simultaneously connectable       nr.       2       74         Conductor section       flexible w/o lug conductor section       min       mm²       2.5         Flexible w/o lug conductor section       min       mm²       2.5       75         Flexible c/w lug conductor section       min       mm²       1.5       max       1.5         max <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Operational frequency       min       Hz       25         max       Hz       400         IEC Conventional free air thermal current lth       A       10         Operational current le       AC-1 (s40°C)       A       160         Short-time allowable current for 10s (IEC/EN60947-1)       A       0         Protection fuse       gG (IEC)       A       16         Tightening torque for terminals       min       Nm       0.8         max       Nm       1       0.59         max       Nm       1       0.74         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1       0.74         Tightening torque for coil terminal       min       Nm       1         max       Nm       1       0.74         Tightening torque for coil terminal       min       nm       2         Conductor section       max       min       mm²       0.75         max       min       mm²       1.5       max       max       mm²       1.5         Flexible w/o lug conductor section       min       min       mm²       1.5       max       mm²       1.5		·			
min         Hz         25 Hz           max         Hz         400           IEC Conventional free air thermal current lth         A         10           Operational current le         AC-1 (\$40°C)         A         160           Short-time allowable current for 10s (IEC/EN60947-1)         A         0           Protection fuse         gG (IEC)         A         16           Tightening torque for terminals         min         Nm         0.8           max         Nm         1         0.59           Tightening torque for coil terminal         min         Nm         0.8           max         Nm         1         0.59           Tightening torque for coil terminal         min         Nm         0.8           max         Nm         1         0.59         min           Tightening torque for coil terminal         min         Nm         0.8           max         Nm         1         min         Nm         1.8           Max number of wires simultaneously connectable         nr.         2         2           Conductor section         min         mm²         0.75         max           Flexible w/w lug conductor section         min         ma²	-			kV	6
max         Hz         400           Operational current le         A         10           Operational current le         AC-1 (≤40°C)         A         160           Short-time allowable current for 10s (IEC/EN60947-1)         A         0           Protection fuse         gG (IEC)         A         16           Tightening torque for terminals         min         Nm         0.8           max         Nm         1         min         Nm         0.59           max         Ibin         0.59         max         Ibin         0.74           Tightening torque for coil terminal         min         Nm         0.8         max         Nm         1           min         Ibin         0.74         0.8         max         Nm         1         min         150         0.8         max         Nm         1         min         150         0.8         max         Nm         1         min         150         0.8         max         Nm         1         150         0.74         10.8         10.8         10.8         10.8         10.8         10.8         10.8         10.8         10.8         10.8         10.8         10.5         10.5         10.5	Operational frequency	У			
IEC Conventional free air thermal current lth       A       10         Operational current le       AC-1 (≤40°C)       A       160         Short-time allowable current for 10s (IEC/EN60947-1)       A       0         Protection fuse       gG (IEC)       A       16         Tightening torque for terminals       min       Nm       0.8         min       Nm       0.8       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 <td></td> <td></td> <td>min</td> <td></td> <td></td>			min		
Operational current le       AC-1 (≤40°C)       A       160         Short-time allowable current for 10s (IEC/EN60947-1)       A       0         Protection fuse       gG (IEC)       A       16         Tightening torque for terminals       min       Nm       0.8         max       Nm       1       min       10         Tightening torque for coil terminal       min       0.74       1         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1       min       0.74         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1       0.74         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1       0.74         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1       0.74       1         Max number of wires simultaneously connectable       nr.       2       2         Conductor section       min       mm²       0.75       1.5         Flexible w/o lug conductor section       min       mm²       1.5       1.5      <			max		
AC-1 (s40°C)         A         160           Short-time allowable current for 10s (IEC/EN60947-1)         A         0           Protection fuse         gG (IEC)         A         16           Tightening torque for terminals         min         Nm         0.8           max         Nm         1         min         Nm         0.8           max         Nm         1         min         Nm         0.8           max         Nm         1         0.74         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           Tightening torque for coil terminal         min         Nm         0.8         max         Nm         1           Tightening torque for coil terminal         min         Nm         0.8         max         Nm         1           Conductor section         min         min         min         2         Conductor section         2.5         Flexible w/o lug conductor section         min         mm²         2.5           Flexible with insulated spade lug conductor section         min <td></td> <td></td> <td></td> <td>А</td> <td>10</td>				А	10
Short-time allowable current for 10s (IEC/EN60947-1)       A       0         Protection fuse       gG (IEC)       A       16         Tightening torque for terminals       min       Nm       0.8         max       Nm       1       min       10         Tightening torque for coil terminal       min       Nm       0.74         Tightening torque for coil terminal       min       Nm       0.8         max       Ibin       0.74         Tightening torque for coil terminal       min       Nm       0.8         max       Ibin       0.74       0.74         Max number of wires simultaneously connectable       nr.       2         Conductor section       Flexible w/o lug conductor section       min       mm <sup>2</sup> 0.75         Flexible c/w lug conductor section       min       mm <sup>2</sup> 1.5       max       mm <sup>2</sup> 2.5         Power terminal protection according to IEC/EN 60529       IP20 when wirec       IP20 when wirec       IP20 when wirec         Mechanical features       operating position       normal       vertical plan       allowable       ± 30°         Fixing       Screw / DIN rail       35mm       Screw / DIN rail       Screw / DIN rail	Operational current le	9			
Protection fuse gG (IEC) A 16 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 Ibin 0.59 max Ibin 0.74 Tightening torque for coil terminal min 0.8 max Nm 1 min Ibif 0.8 max Ibit 0.74 Max number of wires simultaneously connectable nr. 2 Conductor section min mm² 0.75 max mm² 2.5 Flexible w/o lug conductor section min mm² 1.5 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade 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 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor section min mm² min mm² 1.5 max mm² 2.5 Flexible with insulated spade lug conductor secc			AC-1 (≤40°C)	Α	160
gG (IEC)         A         18           Tightening torque for terminals         min         Nm         0.8           max         Nm         1         min         lbin         0.59           max         Ibin         0.74         min         Nm         1           Tightening torque for coil terminal         min         Nm         0.74         Nm         1           Tightening torque for coil terminal         min         Nm         0.8         max         Nm         1           Tightening torque for coil terminal         min         Nm         0.74         Nm         1           Tightening torque for coil terminal         min         Nm         0.8         max         Nm         1           Tightening torque for diverse simultaneously connectable         nr.         2         2         2           Conductor section         rr.         2         2         2         2         2           Conductor section         min         mm         nm2         2.5         1         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3 </td <td>Short-time allowable</td> <td>current for 10s (IEC/EN60947-1)</td> <td></td> <td>А</td> <td>0</td>	Short-time allowable	current for 10s (IEC/EN60947-1)		А	0
Tightening torque for terminals min Nm 0.8 max Nm 1 min lbin 0.59 max lbin 0.74 Tightening torque for coil terminal min Nm 0.8 max Nm 1 min lbft 0.8 max lbft 0.74 Max number of wires simultaneously connectable Conductor section Flexible w/o lug conductor section Flexible w/o lug conductor section Flexible c/w lug conductor section Flexible c/w lug conductor section 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 protection according to IEC/EN 60529 Power terminal protection according to IEC/EN 60529 Power terminal protection according to IEC/EN 60529 Flexible with insulated spade lug conductor section min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 Flexible with insulated spade lug conductor section Mechanical features Operating position Normal vertical plan allowable ±30° Fixing	Protection fuse				
min Nm 0.8 max Nm 1 min lbin 0.59 max lbin 0.74 Tightening torque for coil terminal Tightening torque for coil termin			gG (IEC)	А	16
maxNm1minlbin0.59maxlbin0.74Tightening torque for coil terminalminNm0.8maxNm1minlbft0.8maxlbft0.740.740.74Max number of wires simultaneously connectablenr.22Conductor sectionrminmm²0.75Flexible w/o lug conductor sectionminmm²2.5Flexible c/w lug conductor sectionminmm²1.5Flexible c/w lug conductor sectionminmm²1.5Flexible with insulated spade lug conductor sectionminmm²1.5Power terminal protection according to IEC/EN 60529IP20 when wirectIP20 when wirectOperating positionnormalvertical planallowable±30°FixingScrew / DIN rail35mmScrew / DIN railScrew	Tightening torque for	terminals			
min       Ibin       0.59         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1       min       Ibin       0.8         max       Nm       1       min       Ibit       0.8         max       Nm       1       min       Ibit       0.8         max       Nm       1       min       Ibit       0.8         max       Ibit       0.74       0.74       0.74         Max number of wires simultaneously connectable       nr.       2       0.74         Conductor section       respective of the max       mm²       0.75         Flexible w/o lug conductor section       min       mm²       0.75         Flexible c/w lug conductor section       min       mm²       1.5         Flexible with insulated spade lug conductor section       min       mm²       1.5         Power terminal protection according to IEC/EN 60529       IP20 when wired       IP20 when wired         Mechanical features       respective       allowable       ±30°         Fixing       Screw / DIN rail       35mm			min	Nm	0.8
max       Ibin       0.74         Tightening torque for coil terminal       min       Nm       0.8         max       Nm       1       min       Ibft       0.8         max       Ibft       0.74       0.74       0.74         Max number of wires simultaneously connectable       nr.       2         Conductor section       nr.       2         Conductor section       min       mm²       0.75         Flexible w/o lug conductor section       min       mm²       2.5         Flexible c/w lug conductor section       min       mm²       2.5         Flexible c/w lug conductor section       min       mm²       2.5         Flexible with insulated spade lug conductor section       min       mm²       1.5         max       mm²       2.5       1.5       max       mm²       2.5         Power terminal protection according to IEC/EN 60529       min       mm²       2.5       1.5         Power terminal protection according to IEC/EN 60529       IP20 when wirec       Mechanical features       1.50°         Operating position       normal       allowable       ±30°       35mm			max	Nm	1
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 number of wires simultaneously connectable       nr.       2         Conductor section       r.       2         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       1.5         Flexible with insulated spade lug conductor section       min       mm²       1.5         Max       mm²       1.5       max       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wirec       IP20 when wirec         Mechanical features       uertical plan       allowable       ±30°         Fixing       Screw / DIN rail       35mm			min	Ibin	0.59
min       Nm       0.8         max       Nm       1         min       lbft       0.8         max       lbft       0.8         max       lbft       0.8         max       lbft       0.8         max       lbft       0.74         Max number of wires simultaneously connectable       nr.       2         Conductor section       Flexible w/o lug conductor section       min       mm²       0.75         max       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 protection according to IEC/EN 60529       IP20 when wired       IP20 when wired         Mechanical features       ortical plan       allowable       ±30°         Fixing       Screw / DIN rail       35mm			max	Ibin	0.74
max       Nm       1         min       lbft       0.8         max       lbft       0.74         Max number of wires simultaneously connectable       nr.       2         Conductor section       rmin       mm²       2.5         Flexible w/o lug conductor section       min       mm²       2.5         Flexible c/w lug conductor section       min       mm²       2.5         Flexible c/w lug conductor section       min       mm²       2.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wirection       IP20 when wirection         Moderating position       normal       vertical plan       430°         Fixing       Screw / DIN rail       35mm       Screw / DIN rail	Tightening torque for	coil terminal			
min       Ibft       0.8         max       lbft       0.74         Max number of wires simultaneously connectable       nr.       2         Conductor section       min       mm²       2         Conductor section       min       mm²       0.75         max       mm²       2.5         Flexible c/w lug conductor section       min       mm²       2.5         Flexible c/w lug conductor section       min       mm²       1.5         Max       mm²       2.5       1.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Flexible with insulated spade lug conductor section       min       mm²       1.5         max       mm²       2.5       1.5       1.5         Power terminal protection according to IEC/EN 60529       IP20 when wirec       IP20 when wirec         Mechanical features       ortical plan       allowable       ±30°         Fixing       Screw / DIN rail       35mm			min	Nm	0.8
max       lbft       0.74         Max number of wires simultaneously connectable       nr.       2         Conductor section       Flexible w/o lug conductor section       min       mm²       0.75         max       mm²       2.5       min       mm²       2.5         Flexible c/w lug conductor section       min       mm²       2.5         Flexible c/w lug conductor section       min       mm²       2.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wirector       IP20 when wirector         Mechanical features       normal allowable       ±30°         Fixing       Screw / DIN rail       35mm			max	Nm	1
Max number of wires simultaneously connectable       nr.       2         Conductor section       Flexible w/o lug conductor section       min       mm²       0.75         Max number of wires simultaneously connectable       min       mm²       0.75         Conductor section       min       mm²       2.5         Flexible c/w lug conductor section       min       mm²       1.5         Flexible with insulated spade lug conductor section       min       mm²       1.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wirection         Mechanical features       IP20 when wirection         Operating position       normal       vertical plan         Fixing       Screw / DIN rail       35mm			min	lbft	0.8
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       2.5         Flexible with insulated spade lug conductor section       min       mm²       1.5         max       mm²       2.5       1.5         Power terminal protection according to IEC/EN 60529       IP20 when wirector         Mechanical features       IP20 when wirector         Operating position       normal       vertical plan         fixing       Screw / DIN rail       35mm			max	lbft	0.74
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       2.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wired       2.5         Mechanical features       IP20 when wired       IP20 when wired         Operating position       normal allowable       ±30°         Fixing       Screw / DIN rail 35mm       35mm	Max number of wires	simultaneously connectable		nr.	2
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       2.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wired         Mechanical features       IP20 when wired         Operating position       normal       vertical plan         allowable       ±30°       screw / DIN rail         S5mm       Screw / DIN rail       35mm	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       2.5         Flexible with insulated spade lug conductor section       min       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wired         Mechanical features       IP20 when wired         Operating position       normal       vertical plan         allowable       ±30°       screw / DIN rail         S5mm       Screw / DIN rail       35mm		Flexible w/o lug conductor section			
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       1.5       1.5         Power terminal protection according to IEC/EN 60529       IP20 when wired       1.2         Mechanical features       IP20 when wired       1.2       1.2         Operating position       normal       vertical plan       ±30°         Fixing       Screw / DIN rail       35mm       35mm			min	mm²	0.75
min       mm²       1.5         max       mm²       2.5         Flexible with insulated spade lug conductor section       min       mm²       1.5         min       mm²       1.5       max       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wired       IP20 when wired         Mechanical features       IP20 when wired       IP20 when wired         Operating position       normal       vertical plan         #30°       Screw / DIN rail       35mm			max	mm²	2.5
min       mm²       1.5         max       mm²       2.5         Flexible with insulated spade lug conductor section       min       mm²       1.5         min       mm²       1.5       max       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wired       IP20 when wired         Mechanical features       IP20 when wired       IP20 when wired         Operating position       normal       vertical plan         #30°       Screw / DIN rail       35mm		Flexible c/w lug conductor section			
Flexible with insulated spade lug conductor section       min       mm²       1.5         max       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wired         Mechanical features       IP20 when wired         Operating position       normal       vertical plan         ±30°       Screw / DIN rail       35mm		-	min	mm²	1.5
Flexible with insulated spade lug conductor section       min       mm²       1.5         max       mm²       2.5         Power terminal protection according to IEC/EN 60529       IP20 when wired         Mechanical features       IP20 when wired         Operating position       normal       vertical plan         ±30°       Screw / DIN rail       35mm			max	mm²	
min mm² 1.5 max mm² 2.5 Power terminal protection according to IEC/EN 60529 IP20 when wired Mechanical features Operating position normal vertical plan allowable ±30° Fixing Screw / DIN rail 35mm		Flexible with insulated spade lug conductor section			
Power terminal protection according to IEC/EN 60529 IP20 when wired Mechanical features Operating position normal vertical plan allowable ±30° Fixing Screw / DIN rail 35mm				mm²	1.5
Mechanical features         Operating position         normal       vertical plan         allowable       ±30°         Fixing       Screw / DIN rail         35mm			max	mm²	2.5
Mechanical features         Operating position         normal       vertical plan         allowable       ±30°         Fixing       Screw / DIN rail         35mm	Power terminal protect	ction according to IEC/EN 60529			IP20 when wired
normal     vertical plan       allowable     ±30°       Fixing     Screw / DIN rail       35mm     35mm	Mechanical features				
normal     vertical plan       allowable     ±30°       Fixing     Screw / DIN rail       35mm     35mm	Operating position				
allowable     ±30°       Fixing     Screw / DIN rail 35mm	- •		normal		vertical plan
Fixing 35mm					-
	Fixing				Screw / DIN rail
	Weight			g	220

11BG0031D024 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



Inernal current lth         A         10           EC/EN 60947-5-1 designation         A600 - Q6           Deparating current AC15         230V         A         3           400V         A         1.9         500V         A         1.4           Deparating current DC12         110V         A         2.9         48V         A         1.4           Deparating current DC13         24V         A         2.9         48V         A         1.4           Deparations         24V         A         2.9         48V         A         1.4           Deparations         220V         A         0.6         125V         A         0.55           220V         A         0.3         600V         A         0.1         0.6           Deparations         cycles         20000000         2000000         20000000 <td< th=""><th>Auxiliary contact chara Type of contact</th><th></th><th></th><th></th><th>3 NO + 1 NC</th></td<>	Auxiliary contact chara Type of contact				3 NO + 1 NC
EC/EN 60947-5-1 designation A600 - Q6            Operating current AC15         230V         A         3           400V         A         1.9         500V         A         1.4           Operating current DC12         110V         A         2.9         48V         A         1.4           Operating current DC13         24V         A         2.9         48V         A         1.2           Diperations         24V         A         2.9         48V         A         1.2           110V         A         2.9         48V         A         1.2         110V         A         0.5           220V         A         0.3         600V         A         0.1         2000000           Safety related data         exchanical life         cycles         2000000         2000000           Alter or contats according to EC/EN 609474-4-1         true         true         Yes         Yes           VC coll operating         XeC operating to 1EC/EN 609474-4-1         true         true         Yes         Yes           VC coll operating         40'C coll operating         Yes				Δ	
Deparating current AC15         230V         A         3           200V         A         1.9         500V         A         1.4           Deparating current DC12         110V         A         2.9         48V         A         1.4           Deparating current DC13         24V         A         2.9         48V         A         1.4           S00V         A         1.4         60V         A         1.2         110V         A         2.9           Advort         A         0.6         125V         A         0.6         125V         A         0.6         125V         A         0.3         600V         A         0.1           Adechanical life         cycles         20000000         400         20000000         400         20000000         400		signation		Α	A600 - Q600
$\begin{array}{c c c c c c c c c c c c c c c c c c c $					,
400v         A         1.9           S00v         A         1.4           S00v         A         2.9           Parating current DC13         24V         A         2.9           480v         A         1.4         60v         A         1.2           110v         A         2.9         48V         A         1.4           60v         A         1.2         110v         A         0.6           125v         A         0.55         220v         A         0.3           600v         A         0.1         520v         A         0.3           600v         A         0.1         520v         A         0.3           600v         A         0.1         5000000         2000000           Stept related data         vertex         vertex         2000000           After related data         vertex         vertex         2000000           Afte Coll operating         <	oporating ourroint i to i		230V	А	3
500V         A         1.4           Operating current DC12         110V         A         2.9           48V         A         1.4         60V         A         2.9           48V         A         1.4         60V         A         1.2           110V         A         2.9         48V         A         1.4           60V         A         1.2         110V         A         0.6           125V         A         0.55         220V         A         0.3           600V         A         0.1         0.55         2000000         0.00000           Safety related data         extraincal life         cycles         20000000         0.00000         0.01           VC coll operating         true         true         100         0.00000         0.000000					
Deprating current DC12         110V         A         2.9           Deprating current DC13         24V         A         2.9           48V         A         1.4         60V         A         1.2           110V         A         0.6         125V         A         0.55           220V         A         0.3         600V         A         0.1           Deprations         600V         A         0.1         2000000         2000000           Safety related data         2000000         A         0.1         2000000         2000000         2000000         20000000         A         0.1           Vice compatibility         Yes         X<					
110V       A       2.9         Deparating current DC13       24V       A       2.9         48V       A       1.4       60V       A       1.2         110V       A       0.6       125V       A       0.55       220V       A       0.3         Operations       00V       A       0.1       00V       A       0.1       00V       A       0.1       00V       A       0.3       000000       34612 veltaded data       veltade data       v	Operating current DC1	12			
Deparating current DC13         24V         A         2.9           48V         A         1.4           60V         A         1.2           110V         A         0.6           125V         A         0.3           60V         A         0.1           220V         A         0.3           600V         A         0.1           2000000         A         0.1           2000000         A         0.1           2000000         A         0.3           2000000         A         0.3           2000000         A         0.3           2000000         A         0           2000000         A         12           2000000         A         12           2000000         <			110V	А	2.9
24V         A         2.9           48V         A         1.4           60V         A         1.2           110V         A         0.6           220V         A         0.55           220V         A         0.3           600V         A         0.1           Deparations         2000000         2000000           Safety related data         20000000         20000000           Altror contats according to EN/ISO 13489-1         true         20000000           Micro contats according to EN/ISO 13489-1         true         20000000           Micro contats according to EN/ISO 13489-1         true         Yes           VC coll operating         Yes         Yes           VC coll operating         Yes         Yes           VC coll operating         Yes         Yes           AC operating voltage at 20°C         of 50/60Hz coil powered at 50Hz         in-rush         VA         4           of 50/60Hz coil powered at 60Hz         in-rush         VA         25         holding         VA         4           Or 50/60Hz coil powered at 60Hz         in-rush         VA         30         inolding         VA         4         250	Operating current DC1	13			
48V       A       1.4         60V       A       0.6         110V       A       0.6         125V       A       0.55         220V       A       0.3         600V       A       0.1         Mechanical life       cycles       2000000         Mechanical life       cycles       2000000         Performance level B10d according to EN/ISO 13489-1         Performance level B10d according to EN/ISO 13489-1       rue       20000000         EMC compatibility       Yes       20000000         VC coll operating       true       rue       20000000         EMC compatibility       Yes       Yes       Yes         VC coll operating       max       V       575         VC operating voltage at 20°C       of 50/60Hz coll powered at 50Hz       in-rush       VA       30         of 50/60Hz coil powered at 60Hz       in-rush       VA       25       holding       VA       4         of 50/60Hz coil powered at 60Hz       in-rush       VA       20       30       oholding       VA       4         Olssipation at holding s20°C 50Hz       W       0.9       .9       .9       .9       .9			24V	А	2.9
60V         A         1.2           110V         A         0.6           125V         A         0.55           220V         A         0.3           600V         A         0.1           Deperations         cycles         2000000           Selection and life         cycles         2000000           Safety related data					
110V         A         0.6           125V         A         0.55           220V         A         0.3           600V         A         0.1           Operations           werkonside inference infer					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $					
220V         A         0.3           600V         A         0.1           Operations         cycles         2000000           Safety related data         cycles         2000000           Performance level B10d according to EN/ISO 13489-1         mechanical load         cycles         2000000           Mirror contats according to IEC/EN 609474-4-1         true         true         2000000           Mirror contats according to IEC/EN 609474-4-1         mechanical load         cycles         2000000           Mc coll operating         Yes         V         575         VC coll operating         v         575           AC operating voltage at 20°C         of 50/60Hz coil powered at 50Hz         in-rush         VA         30           folding         VA         4         of 50/60Hz coil powered at 60Hz         in-rush         VA         30           folding         VA         30         holding         VA         4         25           Dissipation at holding ≤20°C 50Hz         W         0.9         0         9         0         9           DC coll operating         min         V         6         max         V         250           DC coll operating         pick-up         min					
600V         A         0.1           Operations         veckes         20000000           Safety related data         veckes         20000000           Performance level B10d according to EN/ISO 13489-1         mechanical load         cycles         20000000           Mirror contats according to IEC/EN 609474-4-1         true         true           MC compatibility         Yes         Yes           VC coll operating         min         V         12           MC coll operating         min         V         575           VC operating voltage at 20°C         of 50/60Hz coil powered at 50Hz         in-rush         VA         30           of 50/60Hz coil powered at 60Hz         in-rush         VA         30         holding         VA         4           of 60Hz coil powered at 60Hz         in-rush         VA         30         Nolding         VA         4           Olssipation at holding ≤20°C 50Hz         W         0.9         0         9         0         9           OC coll operating         min         VA         30         10         max         V         250           DC coll operating         vector 50Hz         vector 50Hz         vector 50Hz         250         250					
Deparations         cycles         2000000           Safety related data					
Mechanical life         cycles         20000000           Safety related data         rechanical load         cycles         20000000           Mirror contats according to EN/ISO 13489-1         mechanical load         cycles         20000000           Mirror contats according to IEC/EN 609474-4-1         true         true         Yes           Cooll operating         Yes         Yes         Yes           Cooll operating         min         V         12           Rated AC voltage at 50/60Hz, 60Hz         min         V         575           XC operating voltage at 20°C         of 50/60Hz coil powered at 50Hz         in-rush         VA         30           holding         VA         4         of 50/60Hz coil powered at 60Hz         in-rush         VA         25           holding         VA         30         holding         VA         30           of 60Hz coil powered at 60Hz         in-rush         VA         30         holding         VA         4           Olcsipation at holding ≤20°C 50Hz         W         0.9         02         02         02         02         02         02         02         02         02         02         02         02         02         02         02         02 </td <td>Operations</td> <td></td> <td>0007</td> <td>7</td> <td>0.1</td>	Operations		0007	7	0.1
Safety related data	•			cycles	20000000
Performance level B10d according to EN/ISO 13489-1         mechanical load         cycles         20000000           Mirror contats according to IEC/EN 609474-4-1         true         Yes         Yes         Yes           SAC cool operating         min         V         12         max         V         575           AC operating voltage at 50/60Hz, 60Hz         min         V         12         max         V         575           AC operating voltage at 20°C         of 50/60Hz coil powered at 50Hz         in-rush         VA         30         holding         VA         4         of 50/60Hz coil powered at 60Hz         in-rush         VA         25         holding         VA         3         of 60Hz coil powered at 60Hz         in-rush         VA         25         holding         VA         3         of 60Hz coil powered at 60Hz         in-rush         VA         30         holding         VA         3         of 60Hz coil powered at 60Hz         in-rush         VA         30         holding         VA         30         of 50/60Hz coil powered at 60Hz         in-rush         VA         30         holding         VA         30         of 50/60Hz coil powered at 60Hz         in-rush         VA         30         in-rush         VA         30         in-rush         VA<				Cycles	20000000
mechanical loadcycles2000000dirror contats according to IEC/EN 609474-4-1trueEMC compatibilityYesC coil operatingYesRated AC voltage at 50/60Hz, 60HzminV12 maxMinV12 maxY575AC operating voltage at 20°C of 50/60Hz coil powered at 50Hzin-rushVA30 	· · · · ·	0d according to EN/ISO 13489-1			
dirror contats according to IEC/EN 609474-4-1 true EMC compatibility Yes VC coil operating Rated AC voltage at 50/60Hz, 60Hz accord at 50/60Hz coil powered at 50Hz AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 30 holding VA 4 of 50/60Hz coil powered at 60Hz in-rush VA 25 holding VA 3 of 60Hz coil powered at 60Hz in-rush VA 30 holding VA 4 Dissipation at holding ≤20°C 50Hz VC coil operating C rated control voltage $\frac{min V 6}{max V 250}$ C operating voltage pick-up $\frac{min %Us 75}{max %Us 115}$			mechanical load	cycles	20000000
EMC compatibility         Yes           AC coil operating         min         V         12 max         V         575           AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz         in-rush         VA         30 holding         VA         4           of 50/60Hz coil powered at 60Hz         in-rush         VA         25 holding         VA         25           of 60Hz coil powered at 60Hz         in-rush         VA         25 holding         VA         30 holding         VA         30           of 60Hz coil powered at 60Hz         in-rush         VA         30 holding         VA         4           Dissipation at holding \$20°C 50Hz         W         0.9         00 <td>Mirror contate accordu</td> <td>ng to IEC/EN 600474 4 1</td> <td>meenamearioau</td> <td>Cycles</td> <td></td>	Mirror contate accordu	ng to IEC/EN 600474 4 1	meenamearioau	Cycles	
MC coil operating         min         V         12 max         V         575           AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz         in-rush         VA         30 holding         VA         4           of 50/60Hz coil powered at 60Hz         in-rush         VA         25 holding         VA         4           of 50/60Hz coil powered at 60Hz         in-rush         VA         25 holding         VA         30           of 60Hz coil powered at 60Hz         in-rush         VA         25 holding         VA         4           Dissipation at holding \$20°C 50Hz         W         0.9         0         0         0           OC coll operating         VA         4         4         0         9         0         9           OC operating voltage         min         V         6         max         V         250           DC operating voltage         pick-up         min         %Us         75 max         %Us         15           DC operating voltage         min         %Us         10 max         10 max         10 max         10 max		ng to iec/en 009474-4-1			
Rated AC voltage at 50/60Hz, 60Hz       min       V       12         max       V       575         AC operating voltage at 20°C       of 50/60Hz coil powered at 50Hz       in-rush       VA       30         holding       VA       4       of 50/60Hz coil powered at 60Hz       in-rush       VA       25         holding       VA       3       of 60Hz coil powered at 60Hz       in-rush       VA       25         holding       VA       3       of 60Hz coil powered at 60Hz       in-rush       VA       30         of 60Hz coil powered at 60Hz       in-rush       VA       30       of 60Hz       4       0         Dissipation at holding ≤20°C 50Hz       W       0.9       0       0       9       0       0       9       0       0       9       0       0       9       0       0       9       0       0       9       0       0       0       9       0       0       0       9       0					res
min         V         12 max         V         575           AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz         in-rush         VA         30 holding         VA         4           of 50/60Hz coil powered at 60Hz         in-rush         VA         25 holding         VA         30           of 60Hz coil powered at 60Hz         in-rush         VA         25 holding         VA         30           of 60Hz coil powered at 60Hz         in-rush         VA         30         4           Dissipation at holding ≤20°C 50Hz         W         0.9         00           OC coil operating         VA         4         0           DOC rated control voltage         min         V         6 max         V         250           DC operating voltage         pick-up         min         %Us         115         115           drop-out         min         %Us         10 max         %Us         10					
max         V         575           AC operating voltage at 20°C         of 50/60Hz coil powered at 50Hz         in-rush         VA         30           holding         VA         4         of 50/60Hz coil powered at 60Hz         in-rush         VA         25           holding         VA         25         holding         VA         30           of 50/60Hz coil powered at 60Hz         in-rush         VA         25           holding         VA         30         30           of 60Hz coil powered at 60Hz         in-rush         VA         30           of 60Hz coil powered at 60Hz         in-rush         VA         30           bissipation at holding ≤20°C 50Hz         W         0.9         00           OC coil operating         VA         4         30           bC coil operating         VA         4         30           DOC coil operating         V         250         00           DC operating voltage         pick-up         min         %Us         75           max         %Us         115         4         10         4           Discourt         min         %Us         10         4         50	Raleu AC Vollage al 5	0/00Hz, 00Hz	min	V	10
AC operating voltage at 20°C of 50/60Hz coil powered at 50Hz in-rush VA 30 holding VA 4 of 50/60Hz coil powered at 60Hz in-rush VA 25 holding VA 3 of 60Hz coil powered at 60Hz in-rush VA 30 holding VA 4 Dissipation at holding ≤20°C 50Hz W 0.9 DC coil operating DC rated control voltage Min V 6 max V 250 DC operating voltage pick-up pick-up min %Us 75 max %Us 115 drop-out Min %Us 10 max %Us 20					
of 50/60Hz coil powered at 50Hz in-rush VA 30 holding VA 4 of 50/60Hz coil powered at 60Hz in-rush VA 25 holding VA 3 of 60Hz coil powered at 60Hz in-rush VA 30 holding VA 3 of 60Hz coil powered at 60Hz in-rush VA 30 holding VA 4 Dissipation at holding ≤20°C 50Hz VV 0.9 CC coil operating CC coil operating CC rated control voltage pick-up pick-up pick-up pick-up in-rush VA 255 NV 0.9 CC operating voltage pick-up in-rush VA 255 NV 0.9 CC operating voltage pick-up in-rush VA 2550 VV 0.9 VV 0.	AC an arating valtage	at 20%C	IIIdX	V	575
in-rush VA 30 holding VA 4 of 50/60Hz coil powered at 60Hz 	AC operating voltage a				
holdingVA4of 50/60Hz coil powered at 60Hzin-rush holdingVA25 holdingvA333of 60Hz coil powered at 60Hzin-rush holdingVA30 holdingvA30 holdingVA4Dissipation at holding ≤20°C 50HzW0.9OC coil operatingW0.9OC coll operatingW250OC operating voltageminV6 maxpick-upmin%Us75 maxdrop-outmin%Us115drop-outmin%Us10 maxMin%Us20		of 50/60Hz coll powered at 50Hz	· · · · · ·		00
of 50/60Hz coil powered at 60Hz       in-rush       VA       25         holding       VA       3         of 60Hz coil powered at 60Hz       in-rush       VA       30         holding       VA       4         Dissipation at holding ≤20°C 50Hz       W       0.9         DC coil operating       W       0.9         DC rated control voltage       min       V       6         max       V       250       250         DC operating voltage       min       V       6         pick-up       min       %Us       75         max       %Us       115       115         drop-out       min       %Us       10         max       %Us       20       20					
in-rush VA 25 holding VA 3 of 60Hz coil powered at 60Hz in-rush VA 30 holding VA 4 Dissipation at holding ≤20°C 50Hz V 0.9 OC coil operating DC rated control voltage DC rated control voltage DC operating voltage pick-up min V 6 max V 250 DC operating voltage pick-up 75 max %Us 115 drop-out min %US 10 max %US 20			holding	VA	4
holdingVA3of 60Hz coil powered at 60Hzin-rush holdingVA30 holdingin-rush holdingVA4Dissipation at holding ≤20°C 50HzW0.9OC coil operating DC rated control voltagemin maxV6 maxDC operating voltagemin pick-upV6 max75 maxMichael Poil drop-outmin MUS%US115 115Michael Poil drop-outmin MUS%US10 maxMichael Poil MUS20Min MUS%US20		of 50/60Hz coil powered at 60Hz			
of 60Hz coil powered at 60Hz     in-rush vA 30 holding     VA 4       Dissipation at holding ≤20°C 50Hz     W 0.9       DC coil operating     W 0.9       DC rated control voltage     min V 6 max V 250       DC operating voltage     min %Us 75 max %Us 115       drop-out     min %Us 10 max %Us 20					
in-rush VA 30 holding VA 4 Dissipation at holding ≤20°C 50Hz W 0.9 DC coil operating DC rated control voltage DC operating voltage pick-up pick-up min %Us 75 max %Us 115 drop-out min %Us 10 max %Us 20			holding	VA	3
holdingVA4Dissipation at holding ≤20°C 50HzW0.9OC coil operating DC rated control voltageminV6maxV250250DC operating voltagepick-upmin%Us75max%Us11511510drop-outmin%Us10max%Us20		of 60Hz coil powered at 60Hz			
Dissipation at holding ≤20°C 50Hz W 0.9 DC coil operating DC rated control voltage min V 6 max V 250 DC operating voltage pick-up <u>min %Us 75</u> max %Us 115 drop-out <u>min %Us 10</u> max %Us 20					
DC coil operating DC rated control voltage min V 6 max V 250 DC operating voltage pick-up <u>min %Us 75</u> max %Us 115 drop-out <u>min %Us 10</u> max %Us 20			holding		
DC rated control voltage min V 6 max V 250 DC operating voltage pick-up <u>min %Us 75</u> max %Us 115 drop-out <u>min %Us 10</u> max %Us 20		≤20°C 50Hz		W	0.9
min         V         6 max         V         250           DC operating voltage         pick-up         min         %Us         75 max         %Us         115           drop-out         min         %Us         10 max         %Us         20	DC coil operating				
max         V         250           DC operating voltage         pick-up         min         %Us         75           max         %Us         115         115           drop-out         min         %Us         10           max         %Us         20	DC rated control voltage	ge			
DC operating voltage pick-up <u>min</u> %Us 75 <u>max</u> %Us 115 drop-out <u>min</u> %Us 10 <u>max</u> %Us 20			min	V	6
pick-up 			max	V	250
min %Us 75 max %Us 115 drop-out min %Us 10 max %Us 20	DC operating voltage				
min %Us 75 max %Us 115 drop-out min %Us 10 max %Us 20	-	pick-up			
max %Us 115 drop-out min %Us 10 max %Us 20		-	min	%Us	75
drop-out min %Us 10 max %Us 20					
min %Us 10 max %Us 20		drop-out		-	
max %Us 20			min	%Us	10
		ntion ≤20°C	max		
in-rush W 3.2					

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11BG0031D024 Ministycznik pomocniczy, Ith 10A, 3NO+1NC, 24VDC

Max avalas fraguesav			holding	W	3.2
Max cycles frequency Mechanical operations				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO			40
			min	ms	12 21
		Opening NO	max	ms	21
			min	me	9
			max	ms ms	18
		Closing NC	Παλ	1115	10
			min	ms	17
			max	ms	26
		Opening NC	max	mo	20
			min	ms	7
			max	ms	17
	in DC		man		-
		Closing NO			
		<u> </u>	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					
	ary contacts according to	UL			A600 - Q600
General USE					
	Contactor				
			AC current	A	160
Ambient conditions					
Temperature					
	Operating temperature				10
			min	°C	-40
	0		max	°C	60
	Storage temperature			•	<i></i>
			min	°C °C	-55
Mary allity al			max	°C	70
Max altitude				m	3000
Resistance & Protectic	n				2
Pollution degree					3
Dimensions					



11BG0031D024 Ministycznik pomocniczy, Ith 10A, 3NO+1NC, 24VDC

