

## ROTARY CAM SWITCH GF SERIES, VOLTMETER SWITCH FOR PHASE-NEUTRAL AND PHASE-PHASE VOLTAGES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

GF2066O48

Product designation			Rotary cam switches
Product type designation			GF20
General characteristics Switching diagram			66 - Voltmeter switch for phase- neutral and phase-phase voltages
N° of elements			3
Mounting form			O48 - Modular service cover for 35mm din rail mounting with black handle
Contact characteristics			
Rated insulation voltage Ui	IEC/EN UL/CSA	V V	480 240
Rated impulse withstand voltage Uimp Conventional free air thermal current Ith		kV	4
	IEC/EN UL/CSA	A A	20 15
Rated operational voltage		V	480
Rated operational impulse voltage		kV	4
Maximum fuse size for short-circuit protection In (gG)	10kA 15kA 25kA	A A A	20 20 20
Rated short time current Icw	1s	А	250
Conductivity			10/5 mA/V
Operational current le IEC/EN AC1/AC21A		A	20
AC15			
	110V 220/230V 380/400V	A A A	10 8 6
Rated operational power in AC			
Three-phase AC-3	220/230V 380/440V	kW kW	3 5
Single-phase AC-3	300/4401		5
	110V 220/230V 380/440V	kW kW kW	0.5 1.5 2
Three-phase AC23A	220/230V	kW	4
Cincle phase ACOOA	380/440V	kW	7.5
Single-phase AC23A	110V 220/230V	kW kW	0.75 2
	380/440V	kW	2.5

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ROTARY CAM SWITCH GF SERIES, VOLTMETER SWITCH FOR PHASE-NEUTRAL AND PHASE-PHASE VOLTAGES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM

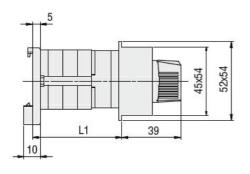
Rated operational current in DC DC21A           48V         A         20           60V         A         20           60V         A         20           110V         A         4           220V         A         0.7           440V         A         0.2           DC13         24V         A         6           60V         A         3         110V         A         1           220V         A         0.15         0.4         440V         A         0.5           Power dissipation         MR         0.5         0.5         0.6         0.7         0.5         0.5           Conductor size         AWG - Rigid cable         min         AWG         12         0.5         0.5           Conductor size (IEC) - Flexible cable         min         AWG         20         0         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.6         0.5         0.5         0.6         0.6         0.7         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.5         0.6         0.5 </th <th>DC21A         48V         A         20           60V         A         20           110V         A         4           220V         A         0.7           440V         A         0.2           DC13         24V         A         6           48V         A         6         60V         A         3           10V         A         1         220V         A         0.1           Power dissipation         W         0.8         3         110V         A         1           Power dissipation         W         0.8         3         1         10V         A         0.5           Power dissipation iscrew         M3         10V         A         1.1         2         2         A         0.4           Mechanical features         W         0.8         M         0.5         Conductor size         M3         1.1         1.1         2         1.1         2         1.1         2         1.1         2         1.1         2         1.1         1.1         2         1.1         1.1         2         1.1         1.1         2         1.1         1.1         1.1         1.</th> <th><math display="block">\begin{tabular}{ c c c c c c c c c c c c c c c c c c c</math></th> <th></th> <th></th> <th></th> <th></th> <th></th>	DC21A         48V         A         20           60V         A         20           110V         A         4           220V         A         0.7           440V         A         0.2           DC13         24V         A         6           48V         A         6         60V         A         3           10V         A         1         220V         A         0.1           Power dissipation         W         0.8         3         110V         A         1           Power dissipation         W         0.8         3         1         10V         A         0.5           Power dissipation iscrew         M3         10V         A         1.1         2         2         A         0.4           Mechanical features         W         0.8         M         0.5         Conductor size         M3         1.1         1.1         2         1.1         2         1.1         2         1.1         2         1.1         2         1.1         1.1         2         1.1         1.1         2         1.1         1.1         2         1.1         1.1         1.1         1.	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	48V         A         20           60V         A         20           110V         A         4           220V         A         0.7           440V         A         6           48V         A         6           60V         A         3           10V         A         6           60V         A         3           10V         A         6           60V         A         3           10V         A         1           220V         A         0.4           440V         A         1           220V         A         0.4           440V         A         1           220V         A         0.4           440V         A         0.5           Power dissipation         W         M           Herbanical features         M3         1           Tightening torg tore for terminals max         Nm         0.5           Conductor size         MWG - Rigid cable         min         MWG 20           Max         MWG         12         12         12           Conductor size (IEC) - Flexible cable	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Rated operational cur	rent in DC			
$\begin{tabular}{ c c c c c c c } \hline & & & & & & & & & & & & & & & & & & $	600/ A         20           110V         A         4           220V         A         0.7           440V         A         0.2           DC13         24V         A         6           48V         A         6         48V         A           100V         A         1         220V         A         0.4           440V         A         0.15         0.4         0.4           Mechanical features         W         0.8         0.4           Tightening torque for terminals max         Nm         0.5         0.5           Conductor size         AWG - Rigid cable         Max         AWG         12           AWG - Flexible cable         min         AWG         12           AWG - Flexible cable         min         mm <sup>ma</sup> 0.5           Conductor size (IEC) - Flexible cable         min         mm <sup>ma</sup> 2.5           Conductor size (IEC) - Rigid cable         min         mm <sup>ma</sup> 2.5           Conductor size (IEC) - Rigid cable         min         mm <sup>ma</sup> 2.5           Conductor size (IEC) - Rigid cable         min         mm <sup>ma</sup> 2.5           Conductor size (IEC) - Rigid cable	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		DC21A			
$\begin{tabular}{ c c c c c c } & 110V & A & 4 \\ & 220V & A & 0.7 \\ & 440V & A & 0.2 \\ \hline DC13 & & & & & & & & & & & & & & & & & & &$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $			48V	А	20
DC13         24V         A         6           480V         A         6           60V         A         3           110V         A         1           220V         A         0.4           480V         A         6           60V         A         3           110V         A         1           220V         A         0.4           440V         A         0.4           Mechanical features         W         0.8           Terminals screw         M3         1           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         Max           AWG - Flexible cable         Min         AWG           Max         AWG         12           Conductor size (IEC) - Flexible cable         Max         MWG           Max         mm²         0.5           Max         mm²         0.5           Conductor size (IEC) - Rigid cable         Min         mm²           Max         mm²         0.5           Max         mm²         0.5           Max         mm²         0.5	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{tabular}{ c c c c } \hline & & & & & & & & & & & & & & & & & & $				Α	
$\begin{tabular}{ c c c c c c c } \hline & 440V & A & 0.2 \\ \hline DC13 & & & & & & & & & & & & & & & & & & &$	440V         A         0.2           DC13         24V         A         6           48V         A         6         60V         A         3           110V         A         1         220V         A         0.4           440V         A         0.15         0.15         0.15         0.15           Power dissipation         W         0.8         0.4         400V         A         0.15           Power dissipation         W         0.8         0.15         <	$\begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c c c } \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$				Α	4
$\begin{tabular}{ c c c c c } \hline DC13 & & & & & & & & & & & & & & & & & & &$	$\begin{tabular}{ c c c c c c c } \hline DC13 & & & & & & & & & & & & & & & & & & &$	$\hline \hline \text{DC13} & 24V & \text{A} & 6 \\ 48V & \text{A} & 6 \\ 60V & \text{A} & 3 \\ 110V & \text{A} & 1 \\ 220V & \text{A} & 0.4 \\ 440V & \text{A} & 0.15 \\ \hline 220V & \text{A} & 0.4 \\ 440V & \text{A} & 0.15 \\ \hline 220V & \text{A} & 0.4 \\ 440V & \text{A} & 0.15 \\ \hline 220V & \text{A} & 0.4 \\ \hline 440V & \text{A} & 0.15 \\ \hline \hline 220V & \text{A} & 0.4 \\ \hline 440V & \text{A} & 0.15 \\ \hline \hline 220V & \text{A} & 0.4 \\ \hline 440V & \text{A} & 0.15 \\ \hline \hline \\ \hline $				Α	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	24V         A         6           48V         A         6           60V         A         3           110V         A         1           220V         A         0.4           440V         A         0.15           Power dissipation         W         0.8           Mechanical features         W         0.8           Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         Max           AWG - Flexible cable         min         AWG 20           AWG - Flexible cable         min         AWG 20           Conductor size (IEC) - Flexible cable         min         mm <sup>2</sup> 2.5           Conductor size (IEC) - Rigid cable         min         mm <sup>2</sup> 2.5           Conductor size (IEC) - Rigid cable         min         mm <sup>2</sup> 2.5           Mechanical life         cycles         1x10*           Ut technical data         recycles         1x10*           Ut technical data         recycles         1x10*           Motor power for director-Inice control         for single-phase motor         240V         HP         1           Ambleint conditions<	$\begin{array}{c c c c c c c c c c c c c c c c c c c $			440V	Α	0.2
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c c c c c c } & A & 6 \\ 60V & A & 3 \\ 110V & A & 1 \\ 220V & A & 0.4 \\ 440V & A & 0.15 \\ \hline \end{array} \\ \hline Power dissipation & W & 0.8 \\ \hline \hline Mechanical features & & & & & \\ \hline \hline Power dissipation & W & 0.8 \\ \hline \hline \hline Power dissipation & W & 0.8 \\ \hline \hline \hline \hline Power dissipation & W & 0.8 \\ \hline \hline \hline \hline Power dissipation & W & 0.8 \\ \hline $		DC13			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	60V         A         3           110V         A         1           220V         A         0.4           440V         A         0.15           Power dissipation         W         0.8           Mechanical features         M3           Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG 20           Max         AWG 20         Max         AWG 20           AWG - Flexible cable         min         AWG 20           Max         AWG 20         Max         AWG 20           Max         AWG 12         Conductor size (IEC) - Flexible cable         min <mrt 2.5<="" td="">           Conductor size (IEC) - Rigid cable         min<mrt 2.5<="" td="">         Max         mm² 2.5           Conductor size (IEC) - Rigid cable         min<mrt 2.5<="" td="">         Max         mm² 2.5           VL technical dat         cycles         tx10*         U           Motor power for direct-on-line control         for three-phase motor         240V         HP         3           If or three-phase motor         240V         HP         1         Ambient conditions         max         °C<!--</td--><td><math display="block"> \begin{array}{c c c c c c c c c c c c c c c c c c c </math></td><td></td><td></td><td>24V</td><td>Α</td><td>6</td></mrt></mrt></mrt>	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			24V	Α	6
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{tabular}{ c c c c c } \hline & & & & & & & & & & & & & & & & & & $	220V         A         0.4           440V         A         0.15           Power dissipation         W         0.8           Mechanical features         M         0.5           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         12           AWG - Flexible cable         min         AWG         20         Max         AWG         12           AWG - Flexible cable         min         AWG         20         Max         MWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5         Max         mm²         0.5           Conductor size (IEC) - Rigid cable         min         mm²         0.5         Max         mm²         0.5           Mechanical life				Α	3
440V         A         0.15           Power dissipation         W         0.8           Mechanical features         Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         20           Max         AWG         12         AWG - Rigid cable         min         AWG         20           Max         AWG         12         AWG - Rigid cable         min         AWG - Rigid cable	440V         A         0.15           Power dissipation         W         0.8           Mechanical features         Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG 20           Max         AWG 12         AWG - Rigid cable         min         AWG 20           Max         AWG 12         AWG - Rigid cable         min         AWG 20           Max         AWG 12         AWG - Rigid cable         min         AWG 20           Max         AWG 12         AWG - Rigid cable         min         mm² 2.5           Conductor size (IEC) - Flexible cable         min         mm² 2.5         Max         mm² 2.5           Mechanical life         cycles         1x10*         1x10*         1x10*           UL technical data         cycles         1x10*         1x10*         1x10*           Motor power for direct-on-line control for three-phase motor         240V         HP         3           for single-phase motor         240V         HP         3           Temperature         Operating temperature         min         °C         -25           Storage temperature	440V         A         0.15           Power dissipation         W         0.8           Mechanical features         M3           Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         20           AWG - Flexible cable         Max         AWG         12           AWG - Flexible cable         min         AWG         20           Max         AWG         12         AWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5           Conductor size (IEC) - Flexible cable         min         mm²         0.5           Max         mm²         2.5         Conductor size (IEC) - Rigid cable         min         mm²         0.5           Max         mm²         2.5         Conductor size (IEC) - Rigid cable         min         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5         Conductor size (IEC) - Rigid cable         min         mm²         2.5           Motor power for direct-on-line control         for single-phase motor         240V         HP         3      <				Α	
Power dissipation       W       0.8         Mechanical features       M3         Terminals screw       M3         Tightening torque for terminals max       Nm       0.5         Conductor size       AWG - Rigid cable       min       AWG       20         AWG - Flexible cable       min       AWG       20         AWG - Flexible cable       min       AWG       20         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       AWG       12       20       Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5       Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5       Max       mm²       2.5         Mechanical life       cycles       1x10°       UL       technical data       thir       mm²       2.5         Motor power for direct-on-line control for three-phase motor       240V       HP       3       thir         Ambient conditions       240V       HP       1       Ambient conditions       thir       thir         Temperature       Operating temperature       min       °C       -25       t	Power dissipation         W         0.8           Mechanical features         M3           Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         MWG - Rigid cable         min         AWG         20           AWG - Flexible cable         Max         AWG         12           AWG - Flexible cable         min         AWG 20           Max         AWG 12         Max         AWG 12           Conductor size (IEC) - Flexible cable         min         mm² 2.5         Max           Conductor size (IEC) - Rigid cable         min         mm² 2.5         Max           Mechanical life         cycles         1x10°         UL           UL technical data         cycles         1x10°            Motor power for direct-on-line control for three-phase motor         240V         HP         3           for single-phase motor         240V         HP         1           Ambient conditions         min         °C         -25           Temperature         Operating temperature         min         °C         -25           Storage temperature         min         °C         -25         -25	Power dissipation W 0.8  Mechanical life Conductor size (IEC) - Flexible cable Max AWG 12 Conductor size (IEC) - Flexible cable Max AWG				A	
Mechanical features         M3         Tightening torque for terminals max       Nm       0.5         Conductor size         AWG - Rigid cable         min       AWG       20         Max       mm       0.5         Max       mm       0.5         Max       mm       2.5         Conductor size (IEC) - Rigid cable       min       mm       2.5         Max	Mechanical features       M3         Terminals screw       M3         Tightening torque for terminals max       Nm       0.5         Conductor size       AWG - Rigid cable       min       AWG       20         AWG - Rigid cable       Max       AWG       12         AWG - Flexible cable       min       AWG       20         Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       0.5       0.5         Max       mm² <t< td=""><td>Mechanical features         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         20           Max         AWG         12         Max         AWG         12           AWG - Flexible cable         min         AWG         20         Max         AWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5         Max         Max         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5         Max         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5         Max         mm²         2.5           Mechanical life         cycles         1x10°         U         U         1x10°         U           Ut technical data         mm²         2.5         1x10°         U         1         Max         1           Motor power for direct-on-line control         for single-phase motor         240V         HP         3         1           Temperature         Operating temperature         min         °C         -25         5           Storage temperature</td><td></td><td></td><td>440V</td><td></td><td></td></t<>	Mechanical features         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         20           Max         AWG         12         Max         AWG         12           AWG - Flexible cable         min         AWG         20         Max         AWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5         Max         Max         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5         Max         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5         Max         mm²         2.5           Mechanical life         cycles         1x10°         U         U         1x10°         U           Ut technical data         mm²         2.5         1x10°         U         1         Max         1           Motor power for direct-on-line control         for single-phase motor         240V         HP         3         1           Temperature         Operating temperature         min         °C         -25         5           Storage temperature			440V		
Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         20           Max         AWG         12         AWG - Flexible cable         min         AWG         20           AWG - Flexible cable         min         AWG - 20         Max         AWG - 12           Conductor size (IEC) - Flexible cable         min         mm²         0.5           Max         AWG - 12         Conductor size (IEC) - Flexible cable         min         mm²         0.5           Max         mm²         0.5         Max         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5         Max         mm²         2.5           Motor power for direct-on-line control         for three-phase motor         cycles         1x10*         U         1x10*         U         1x10*         U         1x10*         U         1x10*	Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         20           Max         AWG         12         AWG - Rigid cable         min         AWG - 20           Max         AWG - Flexible cable         min         AWG - 20         Max         AWG - 12           AWG - Flexible cable         min         AWG - 20         Max         MWG - 20         Max         MWG - 20         Max         MWG - 20         Max         MWG - 20         Max         MUG - 20         Max         MWG - 20         Max         Max         2.5         Conductor size (IEC) - Rigid cable         min         mm² - 2.5         Max         mm² - 2.5         Max         Mu - 20         Max         Mu -	Terminals screw         M3           Tightening torque for terminals max         Nm         0.5           Conductor size         AWG - Rigid cable         min         AWG         20           Max         AWG         12         Max         AWG         12           AWG - Flexible cable         min         AWG         20         Max         AWG         12           Conductor size (IEC) - Flexible cable         min         Mm²         0.5         Max         MWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5         Max         mm²         2.5           Mechanical life         cycles         1x10°         UL         technical data         mm²         2.5           Mechanical life         cycles         1x10°         UL         technical data         t				W	0.8
Tightening torque for terminals max       Nm       0.5         Conductor size       AWG - Rigid cable       min       AWG       20         Max       AWG       12         AWG - Flexible cable       min       AWG       20         Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       mm²       0.5       Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5       Max       mm²       2.5         Mechanical life       cycles       1x10°       UL technical data       ut 10°       UL technical data       ut 10°       UL technical data       ut 10°       ut 10°<	Tightening torque for terminals max       Nm       0.5         Conductor size       AWG - Rigid cable       min       AWG       20         AWG - Flexible cable       min       AWG       20         AWG - Flexible cable       min       AWG       20         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       0.5       Max       mm²       0.5         Mechanical life       cycles       1210°         UL technical data       min       mm²       2.5         Motor power for direct-on-line control for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Storage temperature       min       °C       -25       -55         Storage temperature       min       °C       -40       max       °C       +70         Resistance & Protection       Min       °C       -40       max       °C       +70    <	Tightening torque for terminals max       Nm       0.5         Conductor size       AWG - Rigid cable       min       AWG       20         Max       AWG       12       AWG - Flexible cable       min       AWG       20         Max       AWG       12       AWG - Flexible cable       min       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5       Max       Mm²       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5       Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5       Max       mm²       2.5         Mechanical life       cycles       1x10°       UL       technical data       unin       mm²       2.5         Motor power for direct-on-line control       for single-phase motor       240V       HP       3         Ambient conditions       240V       HP       1       Ambient conditions       max       °C       -25         Temperature       min       °C       -25       max       °C       +55         Storage temperature       min       °C       -40       max       °C       +55					
Conductor size       AWG - Rigid cable       min       AWG       20         Max       AWG       12         AWG - Flexible cable       min       AWG       20         Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data       cycles       1x10°         Motor power for direct-on-line control for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       Temperature       min       °C       -25         Max       °C       +55       5       5       5         Storage temperature       min       °C       -40       max       °C       +70	Conductor size       AWG - Rigid cable       min       AWG       20         Max       AWG       12         AWG - Flexible cable       min       AWG       20         Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       mm²       2.5       0.5         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data       year       x10°         Motor power for direct-on-line control       for single-phase motor       240V       HP       3         for single-phase motor       240V       HP       1       4         Ambient conditions       year       year       year       year       year         Temperature       Operating temperature       min       °C       -25       year	Conductor size       AWG - Rigid cable       min       AWG       20         Max       AWG       12         AWG - Flexible cable       min       AWG       20         Max       AWG       20       Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5       Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       2.5       0.5       Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       2.5       0.5       Max       mm²       2.5         Mechanical life       cycles       1x10*       U       0.5       Max       mm²       2.5         Motor power for direct-on-line control       for three-phase motor       gr / 240V       HP       3         for single-phase motor       240V       HP       1       4         Ambient conditions       240V       HP       1         Temperature       min       °C       -25       -25         Storage temperature       min       °C       -40       max       °C       +55         Storage temperature       max       °C       -40 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
AWG - Rigid cablemin MaxAWG AWG20 MaxAWG - Flexible cablemin MaxAWG12AWG - Flexible cablemin MaxAWG20 MaxConductor size (IEC) - Flexible cablemin 	AWG - Rigid cable         min         AWG         20           MWG - Flexible cable         min         AWG         12           AWG - Flexible cable         min         AWG         20           Max         AWG         12         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5           Max         mm²         2.5         12           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Mechanical life         cycles         1x10°           UL technical data         cycles         1x10°           UL technical data         cycles         1x10°           Motor power for direct-on-line control         cycles         1x10°           for single-phase motor         240V         HP         3           for single-phase motor         240V         HP         1           Ambient conditions         max         °C         -25           for age temperature         min         °C         -25           Storage temperature         min         °C         -25           fmax         °C         +55	AWG - Rigid cable         min         AWG         20           Max         AWG         12           AWG - Flexible cable         min         AWG         20           Max         AWG         12         Max         AWG         20           Conductor size (IEC) - Flexible cable         min         Mmr         0.5         Max         mm²         2.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5         5           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Value         cycles         1.10°         1.10°           Value         there-phase motor         2.5         1.10°         1.10°           Motor power for direct-on-line control for three-phase motor         240V         HP         3           Motor power for direct-on-line control         for single-phase motor         240V         HP         1           Ambient conditions         max         °C         .25         5           Temperature         max         °C         .40         .55           Storage temperature         min         °C         .40         .55           Storage temperature         min         °C         .40		terminals max		Nm	0.5
$\begin{tabular}{ c c c c } \hline min & AWG & 20 \\ \hline Max & AWG & 12 \\ \hline AWG - Flexible cable & & & & & \\ \hline min & AWG & 20 \\ \hline Max & AWG & 12 \\ \hline Conductor size (IEC) - Flexible cable & & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline \ Max & mm^2 & 2.5 \\ \hline \hline \ Max & mm^2 & 2.5 \\ \hline \hline \ Max & mm^2 & 2.5 \\ \hline \hline \ Max & mm^2 & 2.5 \\ \hline \hline \ Max & mm^2 & 2.5 \\ \hline \hline \ \ Max & mm^2 & 2.5 \\ \hline \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	$\begin{tabular}{ c c c c } \hline min & AWG & 20 & & & & & & & & & & & & & & & & & $	min       AWG       20 Max       AWG       12         AWG - Flexible cable       min       AWG       20 Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Max       mm²       2.5       5         Mechanical life       cycles       1x10°       0.5         Max       mm²       2.5       5         Motor power for direct-on-line control for three-phase motor       cycles       1x10°         Ambient conditions       240V       HP       3         Temperature       Operating temperature       min       °C       -25         Storage temperature       min       °C       +55       -25         Storage temperature       min       °C       +55       -40         max       °C       +70       max       °C       +70         Resistance & Protection       ret       ret       1P40       -40	Conductor size				
$\begin{tabular}{ c c c c } \hline Max & AWG & 12 \\ \hline AWG - Flexible cable & & & & & \\ \hline AWG & 20 & & & & \\ \hline Max & AWG & 12 \\ \hline Conductor size (IEC) - Flexible cable & & & & & \\ \hline Conductor size (IEC) - Rigid cable & & & & & \\ \hline Max & mm^2 & 2.5 & & \\ \hline Conductor size (IEC) - Rigid cable & & & & & \\ \hline Max & mm^2 & 2.5 & & \\ \hline Conductor size (IEC) - Rigid cable & & & & & \\ \hline Max & mm^2 & 2.5 & & \\ \hline Mechanical life & & & & & \\ \hline Ut technical data & & & & & \\ \hline Ut technical data & & & & & \\ \hline Motor power for direct-on-line control & & & & & \\ \hline for three-phase motor & & & & & \\ \hline I technical data & & & & & \\ \hline Motor power for direct-on-line control & & & & & \\ \hline for single-phase motor & & & & & \\ \hline Ambient conditions & & & & & \\ \hline Temperature & & & & & \\ \hline Derating temperature & & & & & \\ \hline Min & ^{\circ}C & -25 & & \\ \hline Storage temperature & & & & \\ \hline min & ^{\circ}C & -40 & & \\ \hline min & ^{\circ}C & -40 & & \\ \hline max & ^{\circ}C & +70 & & \\ \hline \end{tabular}$	$\begin{tabular}{ c c c c } \hline Max & AWG & 12 \\ \hline AWG - Flexible cable & & & & & \\ \hline Max & AWG & 20 & & & \\ \hline Max & AWG & 12 & & & \\ \hline Max & AWG & 12 & & & \\ \hline Max & AWG & 12 & & & \\ \hline Max & AWG & 12 & & & \\ \hline Conductor size (IEC) - Flexible cable & & & & & \\ \hline min & mm^2 & 0.5 & & & \\ \hline Max & mm^2 & 2.5 & & \\ \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline min & mm^2 & 0.5 & & & \\ \hline Max & mm^2 & 2.5 & & \\ \hline Mechanical life & & & & & \\ \hline UL technical data & & & & & \\ \hline Motor power for direct-on-line control & & & & \\ \hline Motor power for direct-on-line control & & & & \\ \hline for three-phase motor & & & & \\ \hline for three-phase motor & & & & \\ \hline for single-phase motor & & & & \\ \hline Ambient conditions & & & & \\ \hline Temperature & & & & \\ \hline Motor power for direct-on-line control & & & \\ \hline for single-phase motor & & & & \\ \hline for single-phase motor & & & & \\ \hline Motor power for direct-on-line control & & & \\ \hline for single-phase motor & & & & \\ \hline for single-phase motor & & & & \\ \hline for single-phase motor & & & & \\ \hline Femperature & & & & \\ \hline Min & ^{\circ}C & -25 & \\ \hline Max & ^{\circ}C & +55 & \\ \hline Storage temperature & & & \\ \hline min & ^{\circ}C & -40 & \\ \hline max & ^{\circ}C & +70 & \\ \hline Resistance & Protection & & \\ \hline \end{tabular}$	Max       AWG       12         AWG - Flexible cable       min       AWG       20         Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data       mm²       2.5         Motor power for direct-on-line control       for single-phase motor       1x10°         It technical data       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Max       °C       +55       5       5         Storage temperature       min       °C       -25         Max       °C       +55       +55         Storage temperature       min       °C       -25         Max       °C       +70       +70         Resistance & Protection       iP40       iP40       iP40		AWG - Rigid cable			
$\begin{tabular}{ c c c c c } \hline AWG - Flexible cable & min & AWG & 20 & $$Max & AWG & 12$ \\ \hline & Max & AWG & 12 & $$Max & mm^2 & 0.5$ & $$Max & mm^2 & 0.5$ & $$Max & mm^2 & 2.5$ & $$Conductor size (IEC) - Rigid cable & $$min & mm^2 & 0.5$ & $$Max & mm^2 & 2.5$ & $$	AWG - Flexible cable       min       AWG       20         Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       2.5       0.5         Mechanical life       cycles       1x10°       0         UL technical data       mm²       2.5       0         Motor power for direct-on-line control       for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1       0         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Storage temperature       min       °C       -25       -25         Storage temperature       min       °C       -40       -40         max       °C       +70       -70       -70	AWG - Flexible cablemin MWGAWG 20 Max $AWG$ - Flexible cablemin mm²AWG 12Conductor size (IEC) - Flexible cablemin mm²mm² 2.5Conductor size (IEC) - Rigid cablemin Maxmm² mm²2.5Conductor size (IEC) - Rigid cablemin 			min	AWG	20
$\begin{tabular}{ c c c c c c } \hline min & AWG & 20 & & & & & & & & & & & & & & & & & $	min         AWG         20 Max           AWG         12           Conductor size (IEC) - Flexible cable         min         mm²         0.5           Max         mm²         2.5         0.5           Conductor size (IEC) - Rigid cable         min         mm²         2.5           Mechanical life         cycles         1x10°         0.5           UL technical data         mm²         2.5         0.5           Motor power for direct-on-line control for three-phase motor         cycles         1x10°           for single-phase motor         240V         HP         3           for single-phase motor         240V         HP         1           Ambient conditions         240V         HP         1           Temperature         Operating temperature         min         °C         -25           Storage temperature         min         °C         -25         max         °C         +55           Storage temperature         min         °C         -25         max         °C         +70	$\begin{tabular}{ c c c c c c c c c c c } \hline & & & & & & & & & & & & & & & & & & $			Max	AWG	12
$\begin{tabular}{ c c c c c c c } \hline Max & AWG & 12 \\ \hline Conductor size (IEC) - Flexible cable & $$min $$mm^2$ $0.5$ \\ \hline Max $$mm^2$ $2.5$ \\ \hline Conductor size (IEC) - Rigid cable & $$min $$mm^2$ $0.5$ \\ \hline Max $$mm^2$ $2.5$ \\ \hline Max $$mm^2$ $2.5$ \\ \hline Mechanical life & $$cycles $$1x10^6$ \\ \hline UL technical data & $$cycles $$1x10^6$ \\ \hline UL technical data & $$trong $$ $$trong $$for three-phase motor $$ $$for three-phase motor $$ $$trong $$ $$for single-phase motor $$ $$ $$ $$trong $$ $$trong $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Max       AWG       12         Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       2.5         Mechanical life       vstas       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data       vstas       1x10°         UL technical data       z40V       HP       3         for single-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       z40V       HP       1         Temperature       Operating temperature       min       °C       -25         Storage temperature       min       °C       -25       -55         Storage temperature       min       °C       -25       -55         Storage temperature       min       °C       -25       -25         Resistance & Protection       min       °C       -25       -25         Temperature       min       °C       -25       -25         Storage temperature       min       °C       -40       -5		AWG - Flexible cable			
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Conductor size (IEC) - Flexible cableminmm²0.5Maxmm²2.5Conductor size (IEC) - Rigid cableminmm²0.5Maxmm²2.5Mechanical lifecycles1x10°UL technical dataMotor power for direct-on-line control for three-phase motor240VHP3Ambient conditionsz40VHP1Ambient conditionsTemperatureOperating temperaturemin°C-25 maxOperating temperaturemin°C-25 max-55Storage temperaturemin°C-40 	Conductor size (IEC) - Flexible cable       min       mm²       0.5         Max       mm²       2.5         Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data       rdf       1x10°         Motor power for direct-on-line control for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Storage temperature       min       °C       -25         Storage temperature       min       °C       -40         max       °C       -40       max       °C       +70         Resistance & Protection       IP40       IP40       IP40       IP40			min	AWG	20
$\begin{tabular}{ c c c c c c c } \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline Max & mm^2 & 0.5 \\ \hline Max & m$	$\begin{array}{c c c c c c c } \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & & & & \\ \hline min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline Max & mm^2 & mm^2 & mm^2 \\ \hline Max & mm^2 \\ \hline Max & mm^2 & mm^2 \\ \hline $	$\begin{array}{c c c c c c } & & & & & & & & & & & & & & & & & & &$			Max	AWG	12
$\begin{tabular}{ c c c c c c } \hline Max & mm^2 & 2.5 \\ \hline Conductor size (IEC) - Rigid cable & min & mm^2 & 0.5 \\ \hline Max & mm^2 & 2.5 \\ \hline Mechanical life & cycles & 1x10^6 \\ \hline UL technical data & & & & & \\ \hline UL technical data & & & & & & \\ \hline Motor power for direct-on-line control & & & & & & \\ for three-phase motor & & & & & & & \\ \hline for single-phase motor & & & & & & & \\ \hline for single-phase motor & & & & & & & \\ \hline 240V & HP & 3 & & & & \\ \hline for single-phase motor & & & & & & \\ \hline 240V & HP & 1 & & & & \\ \hline Ambient conditions & & & & & & & \\ \hline Temperature & & & & & & \\ \hline Deperating temperature & & & & & & \\ \hline Min & ^{\circ}C & -25 \\ \hline max & ^{\circ}C & +55 & \\ \hline Storage temperature & & & & \\ \hline min & ^{\circ}C & -40 \\ \hline max & ^{\circ}C & +70 & \\ \hline \end{tabular}$	$\begin{tabular}{ c c c c c c c c c c c c c c c c } \hline Max & mm^2 & 2.5 \\ \hline \hline Conductor size (IEC) - Rigid cable & $$min $$mm^2$ $$0.5 $$ $$Max $$mm^2$ $$2.5 $$ $$ $$ $$Max $$mm^2$ $$2.5 $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ $$$	Maxmm22.5Conductor size (IEC) - Rigid cableminmm20.5Maxmm22.5Maxmm22.5Mechanical lifecycles1x10°1UL technical dataMotor power for direct-on-line control for three-phase motorrestrestfor single-phase motor240VHP3for single-phase motor240VHP1Ambient conditionsrestrestrestTemperatureOperating temperaturemin°C-25Storage temperaturemin°C+55Storage temperaturemin°C-40max°C+70restResistance & ProtectionFrontal IP degreeIP40		Conductor size (IEC) - Flexible cable			
Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       2.5         Mechanical life       cycles       1x10 <sup>6</sup> UL technical data           Motor power for direct-on-line control for three-phase motor           Ambient conditions       240V       HP       3         Temperature       0       240V       HP       1         Ambient conditions             Temperature       min       °C       -25          Max       °C       +55           Storage temperature       min       °C       -40         max       °C       +70	Conductor size (IEC) - Rigid cableminmm²0.5Maxmm²2.5Mechanical lifecycles1x10°UL technical dataMotor power for direct-on-line control for three-phase motor240VHP3for single-phase motor240VHP1Ambient conditions240VHP1TemperatureOperating temperaturemin°C-25max°C+55Storage temperaturemin°C-40max°C+70Resistance & Protection	Conductor size (IEC) - Rigid cable       min       mm²       0.5         Max       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data       respective       1x10°         Motor power for direct-on-line control for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Max       °C       +55       5         Storage temperature       min       °C       -40         max       °C       +70       7         Resistance & Protection       IP40       1			min	mm²	0.5
$\begin{array}{c c c c c c c } & & & & & & & & & & & & & & & & & & &$	$\begin{array}{c c c c c c c } \hline & & & & & & & & & & & & & & & & & & $	$\begin{array}{c c c c c c } & & & & & & & & & & & & & & & & & & &$			Max	mm²	2.5
$\begin{tabular}{ c c c c } \hline Max & mm^2 & 2.5 \\ \hline Mechanical life & cycles & 1x10^6 \\ \hline UL technical data & & & & & & \\ \hline Motor power for direct-on-line control & & & & & & \\ \hline for three-phase motor & & & & & & & \\ \hline for single-phase motor & & & & & & & \\ \hline for single-phase motor & & & & & & & & \\ \hline for single-phase motor & & & & & & & & \\ \hline 240V & HP & 1 & & & & & & \\ \hline Ambient conditions & & & & & & & & \\ \hline Temperature & & & & & & & & \\ \hline Operating temperature & & & & & & & & \\ \hline Min & & & & & & & & & \\ \hline Storage temperature & & & & & & & & \\ \hline min & & & & & & & & & \\ \hline min & & & & & & & & & \\ \hline min & & & & & & & & & \\ \hline min & & & & & & & & & \\ \hline \ max & & & & & & & & & \\ \hline \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	Max       mm²       2.5         Mechanical life       cycles       1x10°         UL technical data	Max       mm²       2.5         Mechanical life       cycles       1x10 <sup>6</sup> UL technical data         Motor power for direct-on-line control for three-phase motor          240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Max       °C       +55       55         Storage temperature       min       °C       -40         max       °C       +70       *70         Resistance & Protection         Frontal IP degree       IP40       IP40		Conductor size (IEC) - Rigid cable			
Mechanical life       cycles       1x10°         UL technical data       Motor power for direct-on-line control       Image: style="text-align: center;">for three-phase motor         Image: style="text-align: center;">240V       HP       3         Image: style="text-align: center;">for single-phase motor         Image: style="text-align: center;">240V       HP       3         Image: style="text-align: center;">6         Image: style="text-align: center;">Operating temperature         Image: style="text-align: center;">min °C       -25         Image: style="text-align: center;">min °C       -40         Image: style="text-align: center;">min °C       -40         Image: style="text-align: center;">min °C       +70	Mechanical life       cycles       1x10°         UL technical data       Motor power for direct-on-line control       resistance & Protection       resistance & Protection	Mechanical life cycles 1x10° UL technical data Motor power for direct-on-line control for three-phase motor 240V HP 3 for single-phase motor 240V HP 1 Ambient conditions Temperature Operating temperature Operating temperature $\frac{min  ^{\circ}C}{Fortage temperature}$ min $ ^{\circ}C  -25$ max $ ^{\circ}C  +55$ Storage temperature $\frac{min  ^{\circ}C  -25}{Fortage temperature}$ Resistance & Protection Frontal IP degree IP40			min	mm²	0.5
UL technical data       Motor power for direct-on-line control for three-phase motor         Image: straight of three-phase motor       240V       HP       3         Image: straight of three-phase motor       240V       HP       3         Image: straight of three-phase motor       240V       HP       1         Image: straight of three-phase motor       1       1       1         Image: straight o	UL technical data       V       HP       3         Motor power for direct-on-line control for three-phase motor       240V       HP       3         Image: the formation of the explanation of the expl	UL technical data       Motor power for direct-on-line control         for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       min       °C       -25         Max       °C       +55       Storage temperature       min       °C       -40         Resistance & Protection       Frontal IP degree       IP40       IP40			Max	mm²	
Motor power for direct-on-line control for three-phase motor $240V  HP  3$ for single-phase motor $240V  HP  1$ Ambient conditions Temperature Operating temperature $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	Motor power for direct-on-line control for three-phase motor $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Motor power for direct-on-line control for three-phase motor	Mechanical life			cycles	1x10 <sup>6</sup>
for three-phase motor 240V HP 3 for single-phase motor 240V HP 1 Ambient conditions Temperature Operating temperature Min °C -25 max °C +55 Storage temperature Min °C -40 max °C +70	for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature       rest	for three-phase motor       240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       0perating temperature					
240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       0       0       0       0         Min       °C       -25       -25       -25         max       °C       +55       -55         Storage temperature       min       °C       -40         max       °C       +70	240V       HP       3         for single-phase motor       240V       HP       1         Ambient conditions       240V       HP       1         Temperature       Operating temperature	and the second state of the second	Motor power for direc	t-on-line control			
for single-phase motor       240V       HP       1         Ambient conditions            Temperature            Operating temperature            min       °C       -25          max       °C       +55          Storage temperature            min       °C       -40          max       °C       +70	for single-phase motor       240V       HP       1         Ambient conditions	for single-phase motor       240V       HP       1         Ambient conditions		for three-phase motor			
240V       HP       1         Ambient conditions	Ambient conditions       240V       HP       1         Temperature       0perating temperature	240V       HP       1         Ambient conditions       Temperature       Image: Second seco			240V	HP	3
Ambient conditions         Temperature         Operating temperature         min       °C         max       °C         Storage temperature         min       °C         min       °C         -40         max       °C         +70	Ambient conditions         Temperature         Operating temperature         min       °C         max       °C         Storage temperature         min       °C         min       °C         Ambient conditions         Min       °C         resistance & Protection	Ambient conditions         Temperature         Operating temperature         min       °C         max       °C         Storage temperature         min       °C         Min       °C         Storage temperature         min       °C         Protection         Frontal IP degree       IP40		for single-phase motor			
Temperature          Operating temperature       min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70	Temperature       Operating temperature         min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection       Vision       Vision	Temperature       Min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection         IP40			240V	HP	1
Operating temperature min °C -25 max °C +55 Storage temperature min °C -40 max °C +70	Operating temperature       min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection	Operating temperature       min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection         Frontal IP degree       IP40					
min °C -25 max °C +55 Storage temperature 	min         °C         -25           max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70	min       °C       -25         max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection         Frontal IP degree       IP40	Temperature				
max         °C         +55           Storage temperature         min         °C         -40	max         °C         +55           Storage temperature         min         °C         -40           max         °C         +70           Resistance & Protection         V         V	max       °C       +55         Storage temperature       min       °C       -40         max       °C       +70         Resistance & Protection         Frontal IP degree       IP40		Operating temperature			
Storage temperature min °C -40 max °C +70	Storage temperature min °C -40 max °C +70 Resistance & Protection	Storage temperature       min °C -40 max °C +70         Resistance & Protection       IP40			min		
min °C -40 max °C +70	min °C -40 max °C +70 Resistance & Protection	min °C -40 max °C +70 Resistance & Protection Frontal IP degree IP40			max	°C	+55
max °C +70	max °C +70 Resistance & Protection	max °C +70           Resistance & Protection         IP40		Storage temperature			
	Resistance & Protection	Resistance & Protection Frontal IP degree IP40			min		
Desistance & Destantion		Frontal IP degree IP40			max	°C	+70
Resistance & Protection		0	Resistance & Protect	ion			
Frontal IP degree IP40	Frontal IP degree IP40	Terminals IP degree IP20	Frontal IP degree				IP40
	Terminals IP degree IP20		Terminals IP degree				IP20
		Dimensions	Dimensions				

GF2066O48



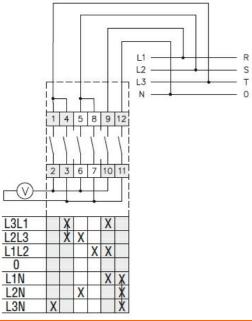
ENERGY AND AUTOMATION

## GF2066O48 ROTARY CAM SWITCH GF SERIES, VOLTMETER SWITCH FOR PHASE-NEUTRAL AND PHASE-PHASE VOLTAGES 20A, MODULAR SERVICE COVER FOR 35MM DIN REAIL MOUNTING WITH BLACK HANDLE, FRONT PLATE 45X54MM



Cariaa	L1		
Series	1	2	3
GF20	40	53.5	67

Wiring diagrams



## Certifications and compliance

Compliance

Compliance		
	CSA C22.2 n° 14	
	IEC/EN/BS 60947-1	
	IEC/EN/BS 60947-3	
	IEC/EN/BS 60947-5-1	
	UL60947-4-1	
Certificates		
	cULus	
	EAC	
ETIM classification		
		EC001029 -
ETIM 8.0		Selector switch,
		complete

complete

ΕT	ΊM	8.0