

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

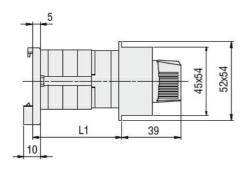
Rated operational current in DC DC21A 48V A 20 60V A 20 60V A 20 110V A 4 220V A 0.7 440V A 0.2 DC13 24V A 6 60V A 3 110V A 1 220V A 0.15 0.4 440V A 0.5 Power dissipation MR 0.5 0.5 0.6 0.7 0.5 0.5 Conductor size AWG - Rigid cable min AWG 12 0.5 0.5 Conductor size (IEC) - Flexible cable min AWG 20 0 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>$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$</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.	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$					
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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 ⁶ 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 ⁶ 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 ⁶
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



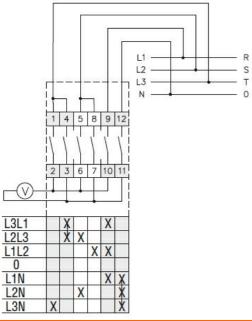
ENERGY AND AUTOMATION

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