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> UK CO

(h): **)):** 

ISO 9001 Certified Quality System

# Cod. DS0203GDT4L



## Standard and Approvals

- Suitable as Manual Motor Controller
- Certified UL60947-4-1A and CAN/CSA C22.2 No. 60947-4-1-07
- Disconnect switch according to IEC/EN 60947-3

### Technical characteristics: Body

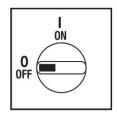
- ON-OFF 3 pole
- IP20 Protection degree
- Rated operational current In: 20A
- Rated thermal current Ith: 25A
- Rated insulation voltages Ui: 800V
- Rear Mounting
- Fixing at single hole ø22mm
- Switching angle: 90°
- Class V2 self-extinguishing thermoplastic housing
- · Positive opening double break contacts, silver alloy made



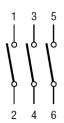
## Technical characteristics: Plate and knob

- Grey plate 67x67mm and black padlockable knob
- Protection degree IP66
- Fixing at single hole ø22mm

# Plate and position



# Electrical scheme



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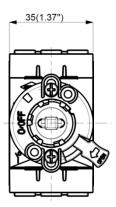
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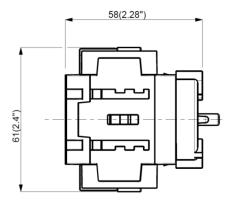
 info@bremas.it

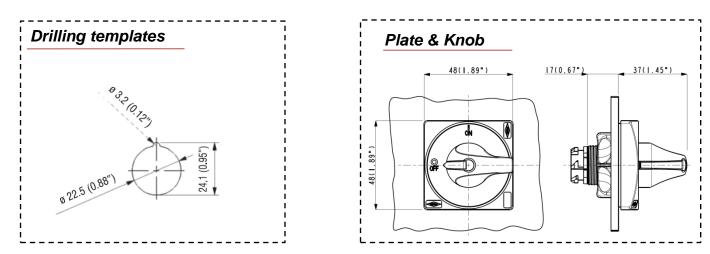
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measures in mm (in)

#### Dimensions







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Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	v	800
Rated unsulation voltage		Ue	V	800
Rated inpulse withstand voltage		Uimp	kV	8
Rated thermal current for open switch		lth	А	25
Rated thermal current for enclosed switch		Ithe	А	25
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	0,6
Rated operating current le				
AC-21A Switching resistive loads, including moderate overloads	690V	le	A	20
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads	690V	le	А	20
Rated operating power	0501			
		400V	Kw (A)	9 (18)
AC-23A Switching of motor loads or other highly inductive loads		690V	Kw (A)	9 (13)
		400V	Kw (A)	5,5 (10)
AC-3 Squirrel cage motors: starting, switching off motors during running		690V	Kw (A)	5,5 (6)
Rated breaking capability in category AC-23A (cos φ=0,45)		400V	Α	144
		690V	A	104
Short circuit protection				
Rated short time withstand current (1s)		lcw	A	300
Rated short-circuit make capacity		lcm	A	750
Rated short-circuit make capacity Rated conditional short-circuit current			kA	10
With fuses class gG		500V	A	20
Technical data UL/CSA (sec. UL508)				
General use voltage		Ue	v	600
General use current	600Vac	le	A	20
Rated operating power	000140			
		120V	Hp/FLA	1/-
phase - 2 pole		240V	Hp/FLA	2/-
		200V	Hp/FLA	-/-
3 phase - 3 pole		240V	Hp/FLA	5 / 15,2
		480V	Hp/FLA	10 / 14
		600V	Hp/FLA	15 / 17
Line protection fuses (DS size 1: Class RK5, 600Vac, 200kA A.I.C.), (DS size 2: Class J, 600Vac)			A	20
Short Circuit Rating@600Vac			kA	5
Mechanical characteristics				
Mechanical life (120 cycles/hour)		Man	10 <sup>6</sup>	0,03
Connecting capability with flexible wires		Min-Max	mm2	1,5 - 10
Connecting capability with solid wires		Min-Max	mm2	1,5 - 16
Connecting capability with flexible wires		Min-Max	AWG	16/08
Connecting capability with solid wires		Min-Max	AWG	16/06
Ferminal screw				M4
Screw tightening torque			Nm	1,7
			lbf-in	12
Protection degree IEC 529 EN 60529				
				IP20
Handles				IP66
Ambient conditions			00	-25 ÷ +55
Ambient conditions			-0	
Operational ambient temperature			°C °C	
Ambient conditions Operational ambient temperature Storage ambient temperature Withstand to constant humid according to IEC 60068			°C	-25 ÷ +55 sec. IEC 60068-2-7