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ISO 9001 Certified Quality System

### Cod. CR02500G4RL6



(Image is purely indicative)



# Standard and Approvals

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

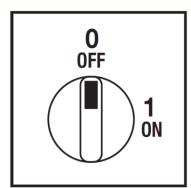


- · ON-OFF switch 4 pole with padlockable handle
- IP20 Protection degree
- Rated operational current le: 25A (AC-21A)
- Rated thermal current Ith: 32A
- Rated insulation voltage Ui: 690V
- Rear mounting
- Fixing with 2 screw at 28mm vertical
- Switching angle: 90°
- Class V2 self-extinguishing thermoplastic housing
- Assembled with metal shaft and threaded stud bolts to ensure maximum operating reliability
- Positive opening double break contacts, silver alloy made.

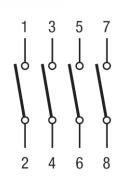
# Technical characteristics: Knob

- Yellow plate 67x67mm and red padlockable knob (max. 3 padlocks)
- IP66 Protection degree
- Fixing with 2 screw at 28mm vertical

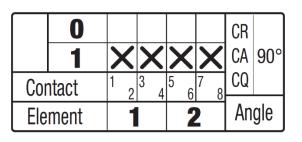
### Positions



#### Electrical diagram



# **Electrical function**



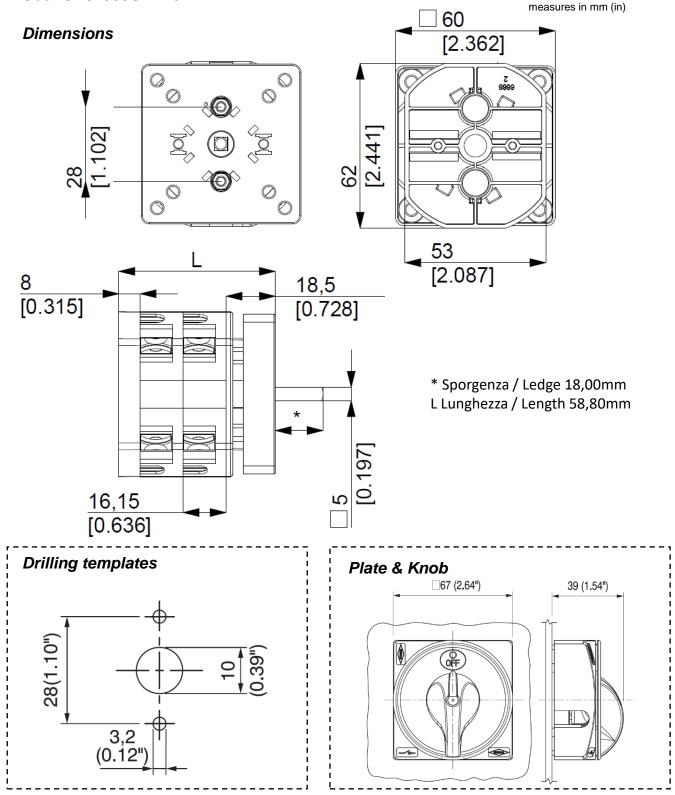
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Technical data IEC 947-3 EN 60947-3				
Rated insulation voltage		Ui	v	690
Rated operating voltage		Ue	V	690
Rated impulse withstand voltage		Uimp	kV	6
Rated thermal current for open switch		lth	А	32
Rated thermal current for enclosed switch		Ithe	A	32
Rated operation frequency			Hz	50/60
Power dissipation for each pole			W	1
Rated operating current				
AC-21A Switching resistive loads, including moderate overloads		le	A	25
AC-22A Switching of mixed resistive and inductive loads, including moderate overloads		le	A	20
		le	А	
AC-20A Connecting and disconnecting under no loads conditions				•
Rated operating power		2201/	16(A)	75(24)
AC-23A Switching of motor loads or other highly inductive loads 3 phase - 3 pole AC-23A Switching of motor loads or other highly inductive loads 1 phase - 2 pole	230V	Kw (A)	7,5 (24)	
		400V	Kw (A)	11 (20)
	500V	Kw (A)	11 (15)	
	690V	Kw (A)	11 (11)	
AC-23A Switching of motor loads or other nighly inductive loads 1 phase - 2 pole AC-3 Squirrel cage motors: starting, swtiching off motors during running 3 phase - 3 pole	110V	Kw (A)	2,2 (25)	
	230V	Kw (A)	3,7 (20)	
	230V	Kw (A)	5,5 (17)	
	400V	Kw (A)	9,5 (16)	
	500V	Kw (A)	9,5 (12,5)	
		690V	Kw (A)	8,5 (10)
AC-3 Squirrel cage motors: starting, swtiching off motors during running 1 phase - 2 pole		110V	Kw (A)	1,5 (17)
	230V	Kw (A)	3 (17)	
	400V	Kw (A)	-	
AC-4 Squirrel cage motors: starting, pluggign, inching		230V	Kw (A)	2,2 (17)
	400V	Kw (A)	3 (5,5)	
AC-15 Control of a.c. electromagnetic loads	230V	A	8	
	400V	A	6	
Rated breaking capability in AC-23A (cos $\varphi$ =0,45)		230V	A	192
		400V	A	160
Short circuit protection				
Rated short time withstand current		lcw	A	400
Rated short time withstand current Rated short-circuit make capacity		Icm	А	2000
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current		Icm -	A kA	2000 10
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG		Icm	А	2000
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current		Icm - 500V	A kA A	2000 10 35
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG		Icm -	A kA	2000 10
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG <b>Technical data UL/CSA</b>		Icm - 500V	A kA A	2000 10 35
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG <b>Technical data UL/CSA</b> Rated operating voltage		lcm - 500V Ue	A kA A UL/CSA V	2000 10 35 600/600
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG <b>Technical data UL/CSA</b> Rated operating voltage General use current		lcm - 500V Ue	A kA A UL/CSA V UL/CSA A	2000 10 35 600/600 25/25
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG <b>Technical data UL/CSA</b> Rated operating voltage General use current Short circuit rating @600Vac		lcm - 500V Ue	A kA A UL/CSA V UL/CSA A Arms	2000 10 35 600/600 25/25 5000
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG <b>Technical data UL/CSA</b> Rated operating voltage General Use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.)		lcm - 500V Ue	A kA A UL/CSA V UL/CSA A Arms	2000 10 35 600/600 25/25 5000
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power		Icm - 500V Ue Ie	A kA A UL/CSA V UL/CSA A Arms A	2000 10 35 600/600 25/25 5000 60
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RKS, 600Vac, 200kA A.I.C.) Rated operating power		Icm 	A kA A UL/CSA V UL/CSA A Arms A Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/-
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole		Icm 	A kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole		Icm - 500V Ue Ie Ie - 	A kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/-
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole		Icm - 500V Ue Ie Ie 120V 240V 240V 240V	A kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/-
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17.5)/- 7.5 (22)/- 10 (14)/-
Rated short time withstand current Rated short-circuit make capacity Rated conditional short-circuit current With fuses class gG Technical data UL/CSA Rated operating voltage General use current Short circuit rating @600Vac Fuse size (Class RK5, 600Vac, 200kA A.I.C.) Rated operating power 1 phase - 2 pole 3 phase - 3 pole		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17.5)/- 7,5 (22)/- 10 (14)/-
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (11)/15 4
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RK5, 600Vac, 200KA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness		Icm 	A kA A UL/CSA V UL/CSA A Arms A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (11)/15 4 1,5
Rated short time withstand current         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RKS, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life	With flexible wires	Icm 	A kA A UL/CSA V UL/CSA A Arms A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A)	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (11)/15 4 1,5
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RKS, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 5471-1 and EN 50947-1	With flexible wires	Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (14)/- 14 1,5 120
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RKS, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 5471-1 and EN 50947-1	With flexible wires With solid wires	Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RKS, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 5471-1 and EN 50947-1		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr Cycles/hr	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (
Rated short time withstand current   Rated short-circuit make capacity   Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating voltage   General use current   Short circuit rating @600Vac   Fuse size (Class RKS, 600Vac, 200kA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole     Mechanical characteristics   Panel thickness   Mechanical life   Connection according to IEC 9471-1 and EN 50947-1   Connection terminal screw dimensions		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup>	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16
Rated short time withstand current   Rated short-circuit make capacity   Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating voltage   General use current   Short circuit rating @600Vac   Fuse size (Class RK5, 600Vac, 200kA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole     Mechanical characteristics   Panel thickness   Mechanical life   Connecting capability		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup>	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (14)/- 10 (14)/- 120 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4
Rated short time withstand current   Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating voltage   General use current   Short circuit rating @600Vac   Fuse size (Class RKS, 600Vac, 200kA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole     Mechanical characteristics   Panel thickness   Mechanical life   Connection according to IEC 9471-1 and EN 50947-1   Connection terminal screw dimensions   Screw tightening torque		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup>	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (
Rated short time withstand current         Rated short-circuit make capacity         Rated conditional short-circuit current         With fuses class gG         Technical data UL/CSA         Rated operating voltage         General use current         Short circuit rating @600Vac         Fuse size (Class RKS, 600Vac, 200kA A.I.C.)         Rated operating power         1 phase - 2 pole         3 phase - 3 pole         Mechanical characteristics         Panel thickness         Mechanical life         Connection according to IEC 9471-1 and EN 50947-1         Connection terminal screw dimensions         Screw tightening torque         Protection degree IEC 529 EN 60529		Icm 	А kA A UL/CSA V UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr mm <sup>2</sup> AWG mm <sup>2</sup> Туре Nm	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (14)/- 10 (14)/- 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
Rated short time withstand current   Rated short-circuit make capacity   Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating voltage   General use current   Short circuit rating @600Vac   Fuse size (Class RK5, 600Vac, 200kA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole   Mechanical characteristics   Panel thickness   Mechanical life   Connection according to IEC 9471-1 and EN 50947-1   Connection terminal screw dimensions   Screw tightening torque   Protection degree IEC S29 EN 60529   Terminals		Icm 	А kA A UL/CSA V UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles/hr mm <sup>2</sup> AWG mm <sup>2</sup> Туре Nm	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 10 (14)/- 10 (14)/- 120 2x2,5-10 14-8 2x2,5-16 M4 1,7
Rated short time withstand current   Rated short-circuit make capacity   Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating voltage   General use current   Short circuit rating @600Vac   Fuse size (Class RK5, 600Vac, 200kA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole     Mechanical characteristics   Panel thickness   Mechanical life   Connecting capability   Connecting capability   Connecting torque   Protection degree IEC 529 EN 60529   Terminals   Ambient conditions   Operating ambient temperature		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup>	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 20 -25 ÷ +55
Rated short time withstand current   Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating yoltage   General use current   Short circuit rating @600Vac   Fuse size (Class RKS, 600Vac, 200KA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole     Mechanical characteristics   Panel thickness   Mechanical life   Connection according to IEC 9471-1 and EN 50947-1   Connection terminal screw dimensions   Screw tightening torque   Protection degree IEC S29 EN 60529   Terminals   Ambient conditions   Operating ambient temperature   Storage ambient temperature		Icm 	A kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (14)/- 20 (25)/- 10 (14)/- 20 (25)/- 10 (14)/- 10 (14)/- 20 (25)/- 10 (14)/- 20 (25)/- 10 (14)/- 20 (25)/- 20 (
Nated short time withstand current   Rated short-circuit make capacity   Rated conditional short-circuit current   With fuses class gG   Technical data UL/CSA   Rated operating woltage   General use current   Short circuit rating @600Vac   Fuse size (Class RK5, 600Vac, 200KA A.I.C.)   Rated operating power   1 phase - 2 pole   3 phase - 3 pole   Mechanical characteristics   Panel thickness   Mechanical life   Connection according to IEC 9471-1 and EN 50947-1   Connection terminal screw dimensions   Screw tightening torque   Protection degree IEC S29 EN 60529   Terminals   Ambient conditions   Operating ambient temperature		Icm 	А kA A UL/CSA V UL/CSA A Arms A Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Hp (A) Cycles x 10 <sup>6</sup> Cycles x 10 <sup>6</sup>	2000 10 35 600/600 25/25 5000 60 2 (24)/- 3 (17)/6 5 (17,5)/- 7,5 (22)/- 10 (14)/- 10 (11)/15 4 1,5 120 2x2,5-10 14-8 2x2,5-16 M4 1,7 20 -25 ÷ +55

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