



TYPE DESIGNATION	G2CM400V10AL20	G4CM690V16ATL20	G2BM480V12AFL10	G4BM480V12ADTL20
<b>ORDER INFORMATION</b>				
Art. No.	2390602	2394600	2390700	2394706
<b>FUNCTIONALITY</b>				
power factor cos $\varphi$ in 1- or 3-phase mains				
<b>O ...</b> Overload monitoring	■		■	■
<b>U ...</b> Underload monitoring	■		■	■
<b>W ...</b> Window	■			■
<b>2MIN ...</b> Minimum monitoring		■		■
<b>2MAX ...</b> Maximum monitoring		■		■
<b>MIN/MAX ...</b> Minimum- and maximum monitoring		■		■
<b>+LATCH ...</b> Error memory	■	■	■	■
<b>I = 0 DETECTION ...</b> Recognition of disconnected consumers		■	■	■
<b>Temp ...</b> Temperature monitoring of the motor winding		■		■
<b>SWITCHING THRESHOLD</b>				
Threshold P / P1	cos $\varphi$ Max: 0.2 – 1.0	cos $\varphi$ 1: 0,3 – 1 (inductive) 1 – 0,3 (capacitive)	5 to 120% of P <sub>N</sub>	2.5 kW: 120W to 2.5W 10 kW: 480W to 10 kW
Threshold P2	cos $\varphi$ Min: 0.1 – 0.99	cos $\varphi$ 1: 0,3 – 1 (inductive) 1 – 0,3 (capacitive)	-	2.5 kW: 120W to 2.5W 10 kW: 480W to 10 kW
<b>MEASURING CIRCUIT</b>				
Measuring variable	power factor (cos $\varphi$ ), 1- or 3-phase loads AC sinus	power factor (cos $\varphi$ ), 1- or 3-phase loads AC sinus	true power, 1- or 3-phase loads AC sinus	true power, 1- or 3-phase loads AC sinus
Measuring range	0.1 to 1	0.3 to 1	0.75 kW • 1.5 kW • 3 kW • 6 kW 1 hp • 2 hp • 4 hp • 8 hp	2.5 kW • 10 kW 3.4 hp • 13.6 hp
Measuring input voltage	40 to 415V AC (1-ph) 40/23 to 415/240V AC (3-ph)	85 to 690V AC (1-ph) 85 to 690/400V AC (3-ph)	0 to 480V AC (1-ph) 0 to 480/277V AC (3-ph)	0 to 480V AC (1-ph) 0 to 480/277V AC (3-ph)
Overload capacity voltage	500V AC (1-ph) 500/289V AC (3-ph)	796V AC (1-ph) 796/460V AC (3-ph)	550V AC (1-ph) 550/318V AC (3-ph)	550V AC (1-ph) 550/318V AC (3-ph)
Measuring input current	0.5 to 10A	1 to 8A (4.8kW) 2 to 16A (19.6kW)	0 to 6A (1.5kW) 0 to 12A (6kW)	0.15 to 6A (2.5kW) 0.3 to 12A (10kW)
Overload capacity current	11A permanent	20A permanent	12A permanent	12A permanent
<b>SUPPLY CIRCUIT</b>				
Supply voltage	selectable via power module TR2	selectable via power module TR3	selectable via power module TR2	24 – 240V AC/DC
<b>TIME CIRCUITS</b>				
Start-up suppression time (START)	1 – 100s	3 – 180s	0.1 – 2s	0 – 100s
Tripping delay (DELAY)	0.1 – 40s	1 – 50s	0.1 – 2s	0.1 – 50s
<b>INPUT CIRCUIT</b>				
Trigger input	-	Y1-Y2 (latch)	Y1-Y2 (latch)	Y1-Y2 (latch)
<b>OUTPUT CIRCUIT</b>				
Contacts	DPDT	2x SPDT	SPDT	2x SPDT
Switching capacity	1250VA (5A / 250V AC)			
<b>DESIGN</b>				
Dimensions (W×H×D)	0.88×3.54×4.25 in (22.5×90×108 mm)	1.76×3.54×4.25 in (45×90×108 mm)	0.88×3.54×4.25 in (22.5×90×108 mm)	1.76×3.54×4.25 in (45×90×108 mm)
Certificates	CE, cULus, EAC	CE, cULus, EAC	CE, cULus, EAC	CE, cULus, EAC