



# CSW SERIES – TECHNICAL DATA

## CSW Series

<b>Standards</b>	IEC/EN 60947-5-1, VDE 0660, NFC63140, UL 508, UL 50, CENELEC EN50007	
<b>Rated insulation voltage</b>	660 Vac / Vdc	
<b>Degree of protection</b>	IP66 (IEC/EN 60529)	
<b>Degree of protection - Terminals</b>	IP2X (IEC/EN 60529)	
<b>UL ratings</b>	Type 1, 2, 3, 3R, 35, 4, 4X, 5, 12, 12K e 13	
<b>Electrical ratings</b>	lth = 10A (IEC 947-5-1)	
Conventional thermal current		
Utilization category AC-15	<b>(V)</b>	<b>(A)</b>
	24	10
	48	10
	60	10
	110	6
	230	3
	400	2
	500	1,5
	600	1,2
Utilization category DC-13	<b>(V)</b>	<b>(A)</b>
	24	2,5
	48	1,4
	60	1
	110	0,55
	230	0,27
	400	0,2
	600	0,1
UL / CSA ratings	AC / Heavy Duty (A600) DC / Standard Duty (Q600)	
<b>Contacts resistance</b>	≤ 25mΩ (IEC/EN 60255)	
<b>Short circuit protection</b>	16A gL/gG fuse or MPW25-10	
<b>Electrical shock protection</b>	Class II	
<b>Rated impulse voltage</b>	2,5 kV (IEC 947-5-1)	
<b>Terminal capacity</b>	1 or 2 x (0,5 - 2,5mm <sup>2</sup> ) / 1 or 2 x 14-20AWG	
<b>Temperature range</b>	-25°C to 70°C (77°F to 158°F)	
<b>Shock resistance</b>	No damage or disassembling at 100g for all devices	
According to MIL 202 B method 202A ≤ ½ sinusoid 11ms		
<b>Vibration resistance</b>	16g with frequency range from 40 to 500Hz and max shifting 0,75mm (peak-to-peak)	
IEC/EN 6068-2-6		
<b>Mechanical endurance</b>		
Pushbuttons	3 x 10 <sup>6</sup>	
Selector Switches	1 x 10 <sup>6</sup>	
Emergency-Stop	3 x 10 <sup>5</sup>	
<b>Maximum number of contacts</b>	AF3 Flange	AF5 Flange
Pushbuttons (BF)	Max. 6	Max. 10
Selector Switches	Max. 4	Max. 8
Pushbuttons (BC, BFI, BSI, BCI, BEG, BEY)	Max. 4	Max. 8

### BIDL Block Ratings

<b>Rated operational voltage</b>	0,85 ~ 1,10 x V
<b>Rated current</b>	20 mA
<b>Rated impulse voltage</b>	2,5 kV (IEC 947-5-1)
<b>Temperature range</b>	- 25 to 70°C (-73°F to 158°F)
<b>Life</b>	100.000 h
<b>Luminosity</b>	Red: 70 mcd
	Yellow: 115 mcd
	White: 275 mcd
	Blue: 64 mcd
	Green: 150 mcd

FRACTIONAL HP

GENERAL PURPOSE

NEMA PREMIUM EFFICIENCY

CRUSHER® DUTY

IEC TRU-METRIC™

PUMP MOTORS

DEFINITE PURPOSE

ADD-ON™ MODIFICATIONS

MOTOR TECHNICAL DATA

DRIVES & SOFT STARTERS

CONTROLS