



Configuration	Cat. Nos.	Clock hour position	Amps	Rating	Horse power HP (kW)	Pin & sleeve plug Cat. No.
2 Poles 3 wires	SCM360MI6W	6	60	250	10 (7.5)	360P6W
	SCM360MI7W	7		480	20 (15)	360P7W
3P 4W	SCM460MI9W	9		3Ø250	15 (11,25)	460P9W
	SCM460MI7W	7		3Ø480	30 (22.5)	460P7W
	SCM460MI5W	5		3Ø600	40 (30)	460P5W
4P 5W	SCM560MI9W	9		3ØY120/208	10 (7.5)	560P9W
	SCM560MI7W	7		3ØY277/480	30 (22.5)	560P7W
	SCM560MI5W	5		3ØY347/600	40 (30)	560P5W

TOLERANCE  
UNLESS OTHERWISE SPECIFIED  
X ± 1  
X.X ± 0.4  
X.XX ± 0.20

**Power Dynamics, Inc.**  
Phone: 973 560-0019 Whippany, New Jersey Fax: 973 560-0076  
**PART: 60 AMP UNFUSED SWITCHED  
PIN & SLEEVE MECHANICAL INTERLOCK**

REVISIONS		CHNG	CHK	APPR
REV	DATE	CHANGE	SHEET 2	STANDARDS
A	6/9/16		PB	

DRAWN BY	PB	DATE:	5/1/16
CHECK BY		DATE:	
APPR BY		DATE:	

PART #:	<b>SCMX60MIXW</b>		SHEET
SIZE:	A	ALL DIMENSIONS FOR REFERENCE ONLY	1 of 1
SCALE:	NTS	DIMENSIONS ARE IN MILLIMETERS	REV: A

6

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**MATERIALS & PLATING:**

Housing: Glass reinforced polyester, thermosetting material  
 UL-94-V0 rated, color Gray  
 Gasket: SEBS rubber, 30 Shore A  
 Handle: Polycarbonate-Siloxane copolymer -UV stabilized  
 Housing closing screws: Stainless steel AISI 316  
 Receptacle: Impact modified, flame retarded PBT+PC blend (Valox 357X)  
 UL94-5VA and UL-94V-0 classification  
 Receptacle cover hinge spring: Stainless steel AISI 302  
 Receptacle contacts: Brass  
 Receptacle terminal screws: Steel, Nickel plated  
 Support base: Fiberglass reinforced PA66, UL94V-0 rated  
 Locking mechanism: Fiberglass reinforced PA66, UL94V-0 rated  
 LED lens: Polycarbonate, UV stabilized  
 Grounding plate: Steel, Zinc plated  
 Internal wiring: 6AWG THWN, 600V, 90°C

**MECHANICAL SPECIFICATIONS:**

Impact resistance: In accordance with UL 746C (vertical drop test: energy 6.8J at -40°C)  
 Mechanical endurance: 10,000 cycles  
 Recommended mounting screw: 1/4"

**ENVIRONMENTAL SPECIFICATIONS:**

Minimum continuous operating temperature: -40°C ( maintains impact resistance at -40°C)  
 Maximum continuous operating temperature: +60°C  
 Nema ratings: Type 3R, 4X, 12K  
 Ingress protection: IP66, IP67, IP69 according to IEC60529  
 UV resistance: All exposed plastic materials are UV stabilized  
 Living Building Challenge Red List v3.0 compliant



**ELECTRICAL SPECIFICATIONS:**

Rated current: 60A  
 Max. working voltage: 600VAC RMS  
 Dielectric withstanding voltage: 1200VAC min.  
 Current interrupting: Certified for current interrupting at full rated current and voltage  
 Short circuit withstand rating: Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle when protected by class "J" (fast acting) fuses with the same rating of the receptacle and 5,000 RMS symmetrical amperes at the voltage rating of the receptacle when protected by class "RK5" time-delayed fuses with the same rating of the receptacle  
 Electrical endurance: 6,000 cycles  
 Suitable as motor disconnect

**STANDARDS & CERTIFICATIONS:**

UL Standards: ANSI/UL 60947-1 / 60947-4-1, UL1682, UL1686, UL50, UL746C  
 CSA Standards: CAN/CSA-C22.2 No. 60947-1 and No. 60947-4-1  
 IEC Standards: IEC 60947-1 / 60947-4-1, IEC60309-1; IEC 60309-2



**RESISTANCE TO CHEMICAL AND ATMOSPHERIC AGENTS**

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Limited Resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

CONTACT PDI FOR SPECIFIC SUBSTANCES

REVISIONS  
SEE SHEET 1 FOR LATEST REVISION

TOLERANCE UNLESS OTHERWISE SPECIFIED	
X	± 1
X.X	± 0.4
X.XX	± 0.20
DRAWN BY: PB	DATE: 4//25/16
CHECK BY:	DATE:
APPR BY:	DATE:

**Power Dynamics, Inc.**

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PART: 60 AMP UNFUSED SWITCHED  
PIN & SLEEVE MECHANICAL INTERLOCK

PART #: <b>SCMX60MIXW</b>		SHEET 2 of 2
SIZE: A	ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS	
SCALE: NTS	REV: A	

6

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