



ELECTRICAL SPECIFICATIONS:
 Rated current: 20A
 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

MECHANICAL SPECIFICATIONS:
 Impact resistance: In accordance with UL 746C (vertical drop test: energy 6.8J at -40°C)
 Mechanical endurance: 10,000 cycles

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



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



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: 10AWG THWN, 600V, 90°C

Configuration	Cat. Nos.	Clock hour position	Amps	AC Voltage Rating (V)	Horse power HP (kW)	Pin & sleeve plug Cat. No.
2 Poles 3 wires	SCM320MI4W-NB	4	20	125	2 (1.5)	320P4W
	SCM320MI6W-NB	6		250	3 (2.25)	320P6W
	SCM320MI7W-NB	7		480	10 (7.5)	320P7W
3P 4W	SCM420MI12W-NB	12		125/250	2/3 (1.5/2.25)	420P12W
	SCM420MI9W-NB	9		3Ø250	7.5 (5.60)	420P9W
	SCM420MI7W-NB	7		3Ø480	15 (11,25)	420P7W
	SCM420MI5W-NB	5		3Ø600	20 (15)	420P5W
4P 5W	SCM520MI9W-NB	9		3ØY120/208	5 (3.75)	520P9W
	SCM520MI7W-NB	7		3ØY277/480	15 (11,25)	520P7W
	SCM520MI5W-NB	5		3ØY347/600	20 (15)	520P5W

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

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

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.
 Phone: 973 560-0019 Whippany, New Jersey Fax: 973 560-0076

PART: 20 AMP UNFUSED SWITCHED PIN & SLEEVE MECHANICAL INTERLOCK WITHOUT BASE

SCMX20MIXW-NB

PART #: SCMX20MIXW-NB SHEET 1 of 1

SIZE: A ALL DIMENSIONS FOR REFERENCE ONLY DIMENSIONS ARE IN MILLIMETERS

SCALE: NTS REV: A