590.YA803R

SWITCH DISCONNECTOR
80A 3P Y2 REAR (R)



* Product image may be indicative

EN IEC 60947-3 (2021)
EN IEC 60947-1 (2021)
EN 60947-3/A2 (2015)
EN 60947-1/A2 (2014)
CSA C22.2 No. 60947-1-13
UL 60947-4-1
CSA C22.2 No. 60947-4-1-14
UL 60947-1

Low voltage direct. 2014/35/EU

GENERAL CHARACTERISTICS

Commercial Series	COMMAND[MO] Series
Synthetical description	SWITCH DISCONNECTOR
Description	

The COMMAND Series switch disconnector is a rear (R) mounted, open type device designed for panel installation. It features a switch size of Y2 and is engineered to handle a rated current of 80A. This robust switch disconnector is equipped with three poles (3P) and is capable of managing a current (Ie) of 67A in AC23A applications at 415V. The COMMAND Series ensures reliable performance and safety in demanding electrical environments, making it a dependable choice for professionals seeking high-quality electrical industrial products.

Type	REAR (R)
Mounting version	R

TECHNICAL CHARACTERISTICS

Rated current	80A
Poles	3P
Switch size	Y2
Rated voltage	690V
Rated insulation voltage (Ui)	690VAC
Rated impulse voltage (Uimp)	4kV
Thermal current (Ithe)	80A
Current (Ie) AC21A (415V)	80A
Current (Ie) AC21A (500V)	80A
Current (Ie) AC21A (690V)	80A
Current (Ie) AC22A (415V)	80A
Current (Ie) AC22A (500V)	80A
Current (Ie) AC22A (690V)	80A
Current (Ie) AC23A (415V)	67A
Current (Ie) AC23A (500V)	67A
Current (Ie) AC23A (690V)	38A
Current (Ie) AC3 (415V)	55A
Current (Ie) AC3 (690V)	32A
Power AC23A (415V)	37kW
Short-time withstand current	1,5kA Icw(1s)
Conditional short circuit cur.	10kAeff
Associate fuse - type gG	80A
Terminals - Rigid wires	10-35mm²
Terminals (AWG)	10-2AWG
General use Voltage	600VAC
General use FLA - Amb.tem.40°C	80A
Short circuit rating	5kA
Fuse type RK5 rating	100A
Horsepower 3ph (B,C,D) (240V)	10Hp
Horsepower 3ph (B,C,D) (480V)	25Hp
Horsepower 3ph (B,C,D) (600V)	30Hp
Horsepower 1 phase (120V)	3Hp
Horsepower 1 phase (240V)	7,5Hp
FLA Motor load 3 phases (240V)	28A
FLA Motor load 3 phases (480V)	34A
FLA Motor load 3 phases (600V)	32A
FLA Motor load 1 phase (120V)	34A

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FLA Motor load 1 phase (240V)	40A

PHYSICAL CHARACTERISTICS

Construction type	Open type
Mounting version	R
Material	THERMOPLASTIC
Installation temperature	-25°C/+60°C
Terminals tightening torque	3,6Nm
Terminals tightening torque	32LB.IN

DOWNLOAD

Technical drawing [PDF]
Technical drawing [STP]
Technical drawing [DWG]
Instruction manual

OPTIONS & VARIOUS NOTES

Catalogue notes	REAR (R) = Panel mounting