

## Soft starter, 3p, 55A, 200-480VAC, us=24VAC/DC

 Part no.
 DS7-340SX055N0-N

 Article no.
 134917

 Catalog No.
 DS7-340SX055N0-N



**Delivery programme** 

7 1 3			
Description			With internal bypass contacts
Function			Soft starters for three-phase loads
Mains supply voltage (50/60 Hz)	$U_{LN}$	V AC	200 - 480
Supply voltage	$U_S$		24 V AC/DC
Control voltage	U <sub>C</sub>		24 V AC 24 V DC
Assigned motor rating (Standard connection, In-Line)			
at 400 V, 50 Hz	P	kW	30
at 460 V, 60 Hz	P	HP	40
Rated operational current			
AC-53	l <sub>e</sub>	Α	55
Startup class			CLASS 10 (star-delta replacement) CLASS 20 (heavy starting duty $3 \times I_e$ for $45 \text{ s}$ )
Rated operational voltage	U <sub>e</sub>		200 V 230 V 400 V 480 V
Connection to SmartWire-DT			no

## **Technical data**

### General

General			
Standards			IEC/EN 60947-4-2 UL 508 CSA22.2-14
Approvals			CE
Approvals			UL CSA C-Tick UkrSEPRO
Climatic proofing			Damp heat, constant, to IEC 60068-2-3 Damp heat, cyclic, to IEC 60068-2-10
Ambient temperature			
Operation	8	°C	-5 - +40 up to 60 at 2% derating per Kelvin temperature rise
Storage	8	°C	-25 - +60
Altitude		m	0 - 1000 m, above that 1 % derating per 100 m , up to 2000 m
Mounting position			Vertical
Degree of protection			
Degree of Protection			IP20 (terminals IP00)
Integrated			Protection type IP40 can be achieved on all sides with covers from the NZM range.
Protection against direct contact			Finger- and back-of-hand proof
Overvoltage category/pollution degree			11/2
Shock resistance			8 g/11 ms
Vibration resistance to EN 60721-3-2			2M2
Radio interference level (IEC/EN 55011)			В
Static heat dissipation, non-current-dependent	$P_{vs}$	W	10
Weight		kg	1.8
Main conducting paths			
Rated operating voltage	U	V AC	200 - 480

Rated operating voltage	U <sub>e</sub>	V AC	200 - 480
Supply frequency	f <sub>LN</sub>	Hz	50/60
Rated operational current	I <sub>e</sub>	Α	

Assigned motor aring (Standard connection, In-claids at 2012 (a) live   P   W   10   10   10   10   10   10   10	40.50			re .
1	AC-53	l <sub>e</sub>	Α	55
### 1809 % 26 19 10 10 10 10 10 10 10 10 10 10 10 10 10	Assigned motor rating (Standard connection, In-Line)			
18   20 \ 19 \ 10 \ 11 \   10 \ 10 \ 10 \ 10 \ 10 \	at 230 V, 50 Hz	Р	kW	15
18	at 400 V, 50 Hz	Р	kW	30
March   Mar	at 200 V, 60 Hz	P	HP	15
Overland cycle to IECE/180807-N-2         55 AAP-23n: 3 - 3.75 - 10           AC-53n         55 AAP-23n: 3 - 3.75 - 10           Internal physes contacts         55 AAP-23n: 3 - 3.75 - 10           Sturr - crout rasing         55 AAP-23n: 3 - 3.75 - 10           Type 2** coordination loditural with the faces for coordination type 1** 1         3 x 73M/2015           True has been founded.         3 x 73M/2015           Child incepts         50 m²         1 x 72 - 70           Solid and shared.         4 m²         1 x 72 - 70           Solid and shared.         4 m²         1 x 72 - 70           Solid and shared.         4 m²         1 x 12 - 20           Solid and shared.         4 m²         1 x 12 - 20           Solid and shared.         4 m²         1 x 12 - 20           Solid and shared.         4 m²         1 x 12 - 20           Solid and shared.         4 m²         1 x 12 - 20           Solid and shared.         1 x 12 - 20         2 x 12 - 20           Solid and shared.         1 x 12 - 20         2 x 12 - 20           Solid and shared.         1 x 12 - 20         2 x 12 - 20           Solid and shared.         2 x 12 - 20         2 x 12 - 20           Solid and shared.         2 x 12 - 20         2 x 12 - 20	at 230 V, 60 Hz	Р	HP	20
AC-SSB	at 460 V, 60 Hz	Р	НР	40
Store director traing	Overload cycle to IEC/EN 60947-4-2			
Short-erecut rating	AC-53a			55 A: AC-53a: 3 - 5: 75 - 10
Shark-decast rating	Internal bypass contacts			1
Type 1" coordination         VZMNI MSSPYCZAM - 5           Type 2" coordination (additional with the buses for coordination type 1")         X x 178H0007           Fine base (mulder x part run)         X x 178H0007           Terminal capacities         X x 105 - 700           Stand and sangha         X x 105 - 700           Stand of standed         X x 105 - 700           Stand of standed         X x 102 - 700           Standed         X x 102				•
Type _2" coordination (additional with the fuses for coordination type _1"				
Tentinal capacities				NZMN1-M63/PKZM4-57
Terminal Capacities         Cabble Imports         Immail 1x (25 - 70) 2x (8 - 29)           Solid or Stranded         AWB 1x (12 - 20)           Solid or stranded         AWB 1x (12 - 20)           Copper band         MM 2x 9x xu 8 9x 9x 03           Tightening torque         MM 6x 1x (12 - 20)           Solid or Stranded         Wind 6x 1x (12 - 20)           Control cables         Wind 6x 1x (15 - 15)           Solid         mm² 2x (8 - 25)           Solid with ferrule         mm² 1x (85 - 15)           Stranded         mm² 1x (85 - 15)           Stranded         mm² 1x (85 - 15)           Solid or stranded         MW 1x (10 - 15)           Solid or stranded         AWB 1x (21 - 16)           Solid or stranded         AWB 1x (22 - 16)           Solid or stranded         AWB 1x (22 - 16)           Control criticuit         The control cables           Control criticuit         The control cables           Control criticuit         The control cables	Type "2" coordination (additional with the fuses for coordination type "1")			3 x 170M2615
Terminal Capacities         Cabble Imports         Immail 1x (25 - 70) 2x (8 - 29)           Solid or Stranded         AWB 1x (12 - 20)           Solid or stranded         AWB 1x (12 - 20)           Copper band         MM 2x 9x xu 8 9x 9x 03           Tightening torque         MM 6x 1x (12 - 20)           Solid or Stranded         Wind 6x 1x (12 - 20)           Control cables         Wind 6x 1x (15 - 15)           Solid         mm² 2x (8 - 25)           Solid with ferrule         mm² 1x (85 - 15)           Stranded         mm² 1x (85 - 15)           Stranded         mm² 1x (85 - 15)           Solid or stranded         MW 1x (10 - 15)           Solid or stranded         AWB 1x (21 - 16)           Solid or stranded         AWB 1x (22 - 16)           Solid or stranded         AWB 1x (22 - 16)           Control criticuit         The control cables           Control criticuit         The control cables           Control criticuit         The control cables				
Cable lengths           mm² 2 1 x (25 - 70) 2 x (6 - 28)           Straided           mm² 2 1 x (25 - 70) 2 x (6 - 28)           Scolid centraleded           x (25 - 70) 2 x (6 - 28)           Scolid centraleded           x (25 - 70) 2 x (6 - 28)           Copper band (English in the Fruit)           x (25 - 70) 2 x (30 - 10)           Centrol cables           x (05 - 25) 2 x (30 - 10)           Scolid or stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)           Stranded           x (05 - 15) 2 x (30 - 10)<	Fuse base (number x part no.)			3 x 170H1007
Solid         mm²         1 x 125 - 70)           Stranded         mm²         1 x 125 - 70)           Solid or stranded         AWG         1 x 122 - 20)           Copper band         MM         2 x 90.8 9 x 9.8 8           Tightsming torque         mm²         6 (5 10 mm²) 5 (> 10 mm²)           Sorwordorer (PZ-Poodriv)         mm²         2 x 10.9 - 1.50           Solid         mm²         1 x 10.9 - 1.50           Solid         mm²         1 x 10.9 - 1.50           Solid or stranded         mm²         1 x 10.9 - 1.50           Solid or stranded         mm²         1 x 10.9 - 1.50           Solid or stranded         mm²         1 x 10.9 - 1.50           Solid or stranded         mm²         1 x 10.9 - 1.50           Solid or stranded         mm²         2 x 10.9 - 1.50           Solid or stranded         mm²         2 x 10.9 - 1.50           Solid or stranded         mm²         2 x 10.9 - 1.50           Solid or stranded         mm²         2 x 10.9 - 1.50           Solid or stranded         mm²         4 x 10.9 - 1.50           Solid or stranded         mm²         4 x 10.9 - 1.50           Solid or stranded         mm²         4 x 10.9 - 1.50           Cortrol c				
Stranded				
Solid or stranded	Solid		mm <sup>2</sup>	
2	Stranded		mm <sup>2</sup>	
Copper band				
Figite ening torque   Nm   6 t 10 mm², 9 (> 10 mm²)   10 mm²   1			AWG	
Screwdriver IPZ- Pozidriv)         mm         PZZ, 1x 6 mm           Solid         1x (05 - 25)         1x (05 - 25)           Floxible with ferrule         mm²         1x (05 - 15)         2x (05 - 10)           Stranded         mm²         1x (05 - 15)         2x (05 - 10)           Solid or stranded         AWG         1x (05 - 15)         2x (05 - 10)           Solid or stranded         AWG         1x (05 - 15)         2x (05 - 10)           Screwdriver         mm²         0,6 x 35           Control crosus           Digital inputs         The control voltage         2x (05 - 10)           DC-operated         V DC         24 V DC + 10 % - 15 %           AC operated         V DC         24 V DC + 10 % - 15 %           AC operated         V DC         24 V DC + 10 % - 15 %           DC-operated         V DC         1x - 27           AC operated         V DC         1x - 27           DC-operated         V DC         0 - 3           DC-operated         V DC         0 - 3           AC operated         MB         1x - 27           DC operated         MB         1x - 27           DC operated         MB         1x - 22           DC operated <td>Copper band</td> <td></td> <td>MM</td> <td></td>	Copper band		MM	
Control cabbes         None*** 2	Tightening torque		Nm	6 (≤ 10 mm²); 9 (> 10 mm²)
Solid         mm²         1 x 105 - 25 1 2 x 105 - 10 1           Flaxible with ferrule         mm²         1 x 105 - 15 1 2 x 105 - 10 3           Stranded         mm²         1 x 105 - 15 1 2 x 105 - 10 3           Solid or stranded         x 20	Screwdriver (PZ: Pozidriv)		mm	PZ2; 1 x 6 mm
Flexible with ferrule	Control cables			
Flexible with ferrule	Solid		mm <sup>2</sup>	
Stranded	Flexible with ferrule		mm <sup>2</sup>	1 x (0.5 - 1.5)
Solid or stranded   Soli	Strandad			
Tightening torque         Nm         0.4           Screwdriver         Nm         0.5 x 3.5           Control circuit         Nm         0.5 x 3.5           Digital inputs         Percentance         Percentance           DC-operated         V DC         24 V DC +10 %/- 15 %           AC operated         V DC         24 V AC +10 %/- 15 %           Current consumption 24 V         mA         1.6           External 24 V         mA         1.6           Pick-up voltage         V DC         17.3 - 27           AC operated         V US         17.3 - 27           DC-operated         V US         V DC         0 - 3           AC operated         V DC         0 - 3           AC operated         V DC         0 - 3           Pick-up time         V DC         0 - 3           DC operated         V DC         0 - 3           AC operated         V DC         0 - 3           DC operated         V DC         0 - 3           DC operated         V DC         0 - 3	Suanded		mm <sup>2</sup>	
Screwdriver         mm         0.6 x 3.5           Control circuit         Control voltage         Control voltage         V DC         24 V DC + 10 %/- 15 %           DC-operated         V DC         24 V DC + 10 %/- 15 %         Control voltage           AC operated         V AC         24 V AC + 10 %/- 15 %         Control voltage           Current consumption 24 V         mA         1.6           External 24 V         mA         1.6           Pick-up voltage         V DC         17.3 - 27           AC operated         V AC         17.3 - 27           Drop-out voltage         X Us         V DC           AC operated         V DC         0 - 3           AC operated         V AC         0 - 3           Pick-up time         MS         250           DC operated         ms         250           AC operated         ms         250           Drop-out time         ms         350           DC operated         ms         350           Regulator supply         Voltage         V V V V V V V V V V V V V V V V V V V	Solid or stranded		AWG	
Control circuit           Digital inputs         Control voltage           DC-operated         V DC         24 V DC +10 %/- 15 %           AC operated         V AC         24 V AC +10 %/- 15 %           Current consumption 24 V         mA         1.6           External 24 V         mA         1.6           Pick-up voltage         x U <sub>s</sub> V DC         17.3 - 27           AC operated         V DC         17.3 - 27           AC operated         V DC         0 - 3           AC operated         V AC         0 - 3           AC operated         N AC         0 - 3           Pick-up time         ms         250           AC operated         ms         250           AC operated         ms         250           AC operated         ms         350           Pick-up time         ms         350           DC operated         ms         350           Regulator supply         Voltage         24 V AC/DC +10 %/- 15 %	Tightening torque		Nm	0.4
Digital inputs         Fee Decomposition of Control voltage         V DC         24 V DC +10 %/- 15 %           DC-operated         V DC         24 V AC +10 %/- 15 %           AC operated         V AC         24 V AC +10 %/- 15 %           Current consumption 24 V         mA         1.6           External 24 V         mA         1.6           Pick-up voltage         x Us         x Us           DC-operated         v DC         17.3 - 27           AC operated         v DC         0 - 3           DC operated         v AC         0 - 3           Pick-up time         mS         250           DC operated         mS         250           AC operated         mS         250           AC operated         mS         250           DC operated         mS         350           Pick-up time         mS         350           DC operated         mS         350           Pick-up time         mS         350           DC operated         mS         350           Pick-up time         mS         24 V AC/DC +10 %/- 15 %/- 1			mm	0,6 x 3,5
Control voltage         V DC         24 V DC +10 %/- 15 %           AC operated         V AC         24 V AC +10 %/- 15 %           Current consumption 24 V         mA         1.6           External 24 V         mA         1.6           Pick-up voltage         x U <sub>8</sub> V DC         17.3 - 27           AC operated         V AC         17.3 - 27         V DC         17.3 - 27           DC operated         V DC         0 - 3         V DC         0 - 3           AC operated         V AC         0 - 3         V DC         0 - 3           Pick-up time         MB         250         250           AC operated         MB         250         250           DC operated         MB         350         350           Regulator supply         Voltage         V AV AV C/DC +10 %/ - 15 %         24 V AC/DC +10 %/ - 15 %	Control circuit			
DC-operated				
Nac				
Current consumption 24 V         mA         Image: consumption 24 V         mA         1.6           Pick-up voltage         x U <sub>s</sub> x U <sub>s</sub> Y DC         17.3 - 27           DC-operated         x U <sub>s</sub> Y DC         17.3 - 27           DC operated         x U <sub>s</sub> Y DC         0 - 3           AC operated         Y AC         0 - 3           Pick-up time         ms         250           AC operated         ms         250           AC operated         ms         350           Pick-up time         ms         350           DC operated         ms         350           Regulator supply         V         24 V AC/DC + 10 %/ - 15 %	DC-operated		V DC	24 V DC +10 %/- 15 %
External 24 V   mA   1.6   x U <sub>s</sub>   T.3 - 27   Y AC   T.3 - 27   Y AC   T.3 - 27   T.3	AC operated		V AC	24 V AC +10 %/- 15 %
Pick-up voltage  DC-operated  AC operated  Drop-out voltage  DC operated  AC operated  DC operated  AC operated  DC operated  AC operated  AC operated  DC operated  AC operated  DC operated  AC operated  DC operated  AC operated  DC operat	Current consumption 24 V		mA	
DC-operated         V DC         17.3 - 27           AC operated         V DC         17.3 - 27           Drop-out voltage         x Us         V DC         0 - 3           DC operated         V AC         0 - 3         0 - 3           Pick-up time         ms         250           DC operated         ms         250           AC operated         ms         250           Drop-out time         ms         350           Regulator supply         Voltage         24 V AC/DC +10 %/- 15 %	External 24 V		mA	1.6
AC operated         V AC         17.3 - 27           Drop-out voltage         x U <sub>s</sub>	Pick-up voltage		$x  U_s$	
Drop-out voltage x U <sub>s</sub> DC operated V DC 0 - 3  AC operated V AC 0 - 3  Pick-up time  DC operated ms 250  AC operated ms 250  Drop-out time  DC operated ms 350  Regulator supply  Voltage U <sub>s</sub> V AC/DC +10 %/- 15 %	DC-operated		V DC	17.3 - 27
DC operated  AC operated  V AC  DC operated  V AC  DC operated  ms  250  AC operated  Ms  250  Drop-out time  DC operated  DC operated  Ms  350  Regulator supply  Voltage  V AC  V AC  0 - 3  V AC  0 - 10  V AC	AC operated		V AC	17.3 - 27
DC operated  AC operated  V AC  DC operated  V AC  DC operated  ms  250  AC operated  Ms  250  Drop-out time  DC operated  DC operated  Ms  350  Regulator supply  Voltage  V AC  V AC  0 - 3  V AC  0 - 10  V AC	Drop-out voltage	x U <sub>s</sub>		
AC operated       V AC       0 - 3         Pick-up time       ms       250         DC operated       ms       250         AC operated       ms       250         Drop-out time       ms       350         DC operated       ms       350         Regulator supply       Voltage       V AC/DC +10 %/- 15 %			V DC	0-3
Pick-up time  DC operated  AC operated  Drop-out time  DC operated  DC operated  DC operated  DC operated  Us  Voltage  DC operated  WS  WS  DC operated  WS  D				
DC operated AC operated Brop-out time DC operated Brog-out time DC operated Brog-out time Us Voltage DC operated Us V AC/DC +10 %/- 15 %				
AC operated  Drop-out time  DC operated  Regulator supply  Voltage  Us  V  DC operated  MS  350  4 V AC/DC +10 %/- 15 %			ms	250
Drop-out time  DC operated ms 350  Regulator supply  Voltage Us V AC/DC +10 %/- 15 %				
DC operated ms 350  Regulator supply  Voltage Us V AC/DC +10 %/- 15 %			IIIJ	
Regulator supply  Voltage  Us  V  24 V AC/DC +10 %/- 15 %			me	250
Voltage $U_{S} \hspace{1cm} V \hspace{1cm} 24VAC/DC+10\%/-15\%$			IIIS	330
			V	24.1.4.0/DC -10.0/ / 15.0/
Current consumption I <sub>e</sub> mA 50				
	Current consumption	l <sub>e</sub>	mA	50

Current consumption at peak performance (close bypass) at 24 V DC	I <sub>Peak</sub>	A/ms	0,6/50
Notes			External supply voltage
Relay outputs			
Number			2 (TOR, Ready)
Voltage range		V AC	250
AC-11 current range		Α	1 A, AC-11
Soft start function			
Ramp times			
Acceleration		s	1 - 30
Deceleration		s	0 - 30
Start voltage (= turn-off voltage)		%	30 100
Start pedestal		%	30 - 100
Fields of application			
Fields of application			Soft starting of three-phase asynchronous motors
1-phase motors			•
3-phase motors			1
Functions			
Fast switching (semiconductor contactor)			- (minimum ramp time 1s)
Soft start function			1
Reversing starter			External solution required
Suppression of closing transients			1
Suppression of DC components for motors			1
Potential isolation between power and control sections			/

### Notes

Rated impulse withstand voltage:

- 1.2  $\mu$ s/50  $\mu$ s (rise time/fall time of the pulse to IEC/EN 60947-2 or -3) Applies for control circuit/power section/enclosure

# Design verification as per IEC/EN 61439

200:9:: 10::::0a::0:: ao po: :20,2:: 0: :00			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	55
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	10
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	10
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-5
Operating ambient temperature max.		°C	40
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.

10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9 Insulation properties	
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

### **Technical data ETIM 6.0**

Low-voltage industrial components (EG000017) / Soft starter (EC000640)

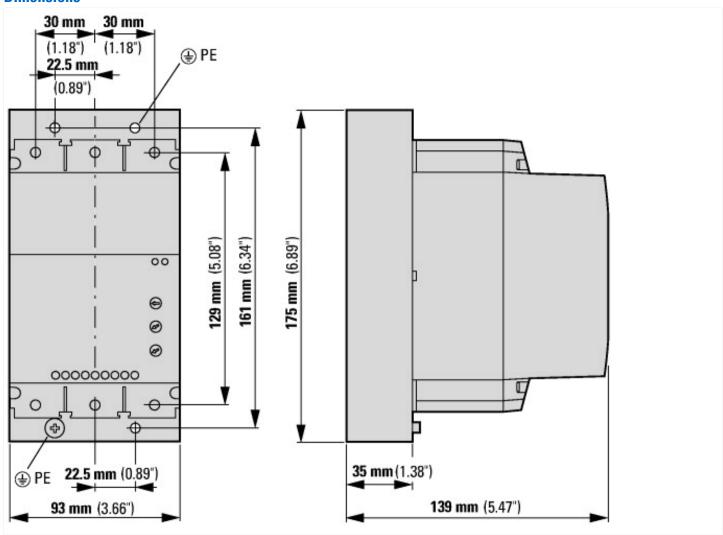
Electric engineering, automation, process control engineering / Low-voltage switch technology / Load breakout, motor breakout / Semiconductor motor controller or soft starter (ecl@ss8 1-77-37-09-07 [ACO300008])

А	55
V	230 - 460
kW	15
kW	30
kW	0
kW	0
	Yes
	No
	No
°C	40
V	24 - 24
V	24 - 24
V	24 - 24
	AC/DC
	No
	V kW kW kW V

Approvals

IEC/EN 60947-4-2; GB 14048.6; UL 508; CSA-C22.2 No 0-M91; CSA-C22.2 No 14-05 CE marking
E251034
2511305
321106
No
Branch circuits
No
480 V
IP20; UL/CSA Type 1

## **Dimensions**



## **Additional product information (links)**

• • • • • • • • • • • • • • • • • • •	
IL03902005Z Instructions for DS7 Soft Starter	
IL03902005Z Instructions for DS7 Soft Starter	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03902005Z2012_08.pdf
MN03901001Z Manual DS7 soft starters	
MN03901001Z Handbuch Softstarter DS7 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN03901001Z_DE.pdf
MN03901001Z Manual DS7 soft starters - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN03901001Z_EN.pdf
CA04020001Z_EN-INT Product range catalog: Efficient Engineering for starting and controlling motors.	http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_1095238.pdf

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for eaton manufacturer:

Other Similar products are found below:

BK-MDL-3-R BK1-S506-500-R BK1-S506-6-3-R BK1-S506-2-R MPI4040R4-1R5-R TDC600-10A 89096-015 8946K153 8961K155

M22-DL-W-X0 M22-D-R-GB0/K11 M22-L-R/R M22S-ST-GB12 630NHG3B 63ET 6422 6580 CTX20-16-52LP-R CWL530FI

CXM/CO/GP/R/BB 6HD36 714125 MBO-2 ESR5-NO-41-24VAC-DC 7314K36 7321K2 F02A-1-1/2A F02A-1-1/2AS F02A-1AS F02A2AS F02A-3/4A F03A250V12A F03B125V4A MCR-4 MDA-2-8/10-R MDA-30A MDA-V-1/16 F60C500V10AS F60C500V15AS
7563K84 7634K36 MDQ-3/16 MDQ-7/10 MDQ-V-1/10 MDQ-V-1/14 MDQ-V-1/16 MDQ-V-1/2 MDQ-V-1/4 MDQ-V-3/16 MDQ-V-3/8