

**Enclosed Motor, Heating and Lighting Control**

Sales aid – wall chart

- ADS8 Metal clad starters
- ADS8 Moulded starters
- Pushbutton control units
- Local disconnectors
- Heating & lighting controls

Trusted by generations of electrical contractors



**ADS8 Motor starters and overload relays**



28ADSM1X

**9kW DOL starter without switch disconnect**

- IP 65 moulded surface mounting enclosure, less overload relay

Maximum current rating (AC3) A	Maximum kW rating AC3 415v 3ph	Control coil voltage 50Hz <sup>2</sup> Vac	Eaton list number
18	9	220–240	28ADSM1X
		380–415	48ADSM1X

<sup>1</sup>Other control voltages available, contact Eaton



28ADS3X

**15kW DOL starter without switch disconnect**

- IP 54 metalclad surface mounting enclosure, less overload relay

Maximum current rating (AC3) A	Maximum kW rating AC3 415v 3ph	Control coil voltage 50Hz <sup>2</sup> Vac	Eaton list number
18	9	220–240	28ADS1X
		380–415	48ADS1X
25	11	220–240	28ADS2X
		380–415	48ADS2X
32	15	220–240	28ADS3X
		380–415	48ADS3X

<sup>1</sup>Other control voltages available, contact Eaton



28ADS1X

**15kW DOL starter with switch disconnect**

- IP 54 metalclad surface mounting enclosure, less overload relay

Maximum current rating (AC3) A	Maximum kW rating AC3 415v 3ph	Control coil voltage 50Hz <sup>2</sup> Vac	Eaton list number
18	9	220–240	28ADS11X
		380–415	48ADS11X
25	11	220–240	28ADS12X
		380–415	48ADS12X
32	15	220–240	28ADS13X
		380–415	48ADS13X

<sup>1</sup>Other control voltages available, contact Eaton



48ARD1X

**11kW DOL Reversing starter without switch disconnect**

- IP 54 metalclad surface mounting enclosure, less overload relay

Maximum current rating (AC3) A	Maximum kW rating AC3 415v 3ph	Control coil voltage 50Hz <sup>2</sup> Vac	Eaton list number
18	9	220–240	28ARD1X
		380–415	48ARD1X
25	11	220–240	28ARD2X
		380–415	48ARD2X

<sup>1</sup>Other control voltages available, contact Eaton



28SDA2X18

**25kW Star Delta starter without switch disconnect**

- IP 54 metalclad surface mounting enclosure, less overload relay

Maximum current rating (AC3) A	Maximum kW rating AC3 415 3ph	Control coil voltage 50Hz <sup>2</sup> Vac	Eaton list number
31	15	220–240	28SDA2X18
		380–415	48SDA2X18
43	22	220–240	28SDA3X25
		380–415	48SDA3X25
55	25	220–240	28SDA3X32
		380–415	48SDA3X32

<sup>1</sup>Other control voltages available, contact Eaton

**Select overload relay to suit Star Delta starter**



8TT9SD

**Star Delta, phase connected thermal overload relays**

Full load current A	Motor rating kW	Eaton list number
4.3–6.9	3	8TT9SD
6.9–10.4	5.5	8TT91SD
9.5–13.8	7	8TT96SD
12.1–17.3	9	8TT92SD
17.3–22.5	11	8TT93SD
22.5–31	15	8TT94SD
31–43	22	8TT104SD
40–55	25	8TT96SD

**Select overload relay to suit DOL starter**



8TT92

**DOL, DOL reversing, line connected thermal overload relays**

Full load current A	Motor rating kW	Eaton list number
0.63–1	0.37	8TT87
1–1.6	0.55	8TT88
1.6–2.5	1.1	8TT89
2.5–4	1.5	8TT90
4–6	2.2	8TT91
5.5–8	3.7	8TT98
7–10	4	8TT92
10–13	5.5	8TT93
13–18	9	8TT94
18–25	11	8TT104
23–32	15	8TT96

**Pushbutton control units**



22MSU

**MSU pushbutton control units (moulded IP65)**

Number of buttons	Description	Eaton list number
1	Start	21MSSU
1	Stop	21MSU
1	Stop, latching pattern (push to latch, turn to release)	21MSUL
1	Stop (50mm dia. mushroom head)	21MSUM
1	Stop, latching pattern – (push to latch, turn to release) (50mm dia. mushroom head)	21MSUML
2	Start-Stop	22MSU
2	Start-Latch Stop/Reset	22MSUL
3	Forward-Reverse-Stop (Alternative label: Up-Down-Stop)	23MSU
3	Forward-Reverse-Latch Stop/Reset (Alternative label: Up-Down-Stop)	23MSUL

**Spare switch unit (not suitable for 22mm devices)**

Description	Eaton list number
Complete replacement unit with N/O and N/C contacts and fixing screw	21MSB



21MSU2K

**MSU pushbutton control units (moulded IP65)**

**Single way control stations incorporating 22mm control devices**

Description	Eaton list number
Mushroom head latch stop, key release with 1-N/C contact	21MSULK
Two position key operated selector switch with 1-N/O contact labelled Q/1 (Key removable in both positions)	21MSU2K
Two position key operated spring return to "off" selector switch with 1-N/O and 1-N/C contact labelled Q/1 (Key removable in off position)	21MSU2SK



1CSUL

**CSU pushbutton control units (IP41 / IP65)**

Number of buttons	Description	Eaton list number
1	Stop (IP41)	1CSU
1	Latched stop/reset (IP41)	1CSUL
1	Stop, large mushroom head 50mm dia. (IP41)	1CSUM
1	Latched stop/reset (IP65)	1CSUWL

**Local disconnectors – moulded and metalclad**



204RDMP

**Local disconnectors standard duty, type RDMP, 20 – 63A IP65**

Nominal unit rating Ie	Poles	Eaton list number
20A	2P +slidN	2021RDMP <sup>1</sup>
25A	2P +slidN	2521RDMP <sup>1</sup>
40A	2P +slidN	4021RDMP <sup>1</sup>
63A	2P +slidN	6321RDMP <sup>1</sup>
20A	3P +slidN	2031RDMP <sup>1</sup>
25A	3P +slidN	2531RDMP <sup>1</sup>
40A	3P +slidN	4031RDMP <sup>1</sup>
63A	3P +slidN	6331RDMP <sup>1</sup>
20A	4P	204RDMP
25A	4P	254RDMP
40A	4P	404RDMP
63A	4P	634RDMP
20A	4P +slidN	2041RDMP <sup>1</sup>
25A	4P +slidN	2541RDMP <sup>1</sup>
40A	4P +slidN	4041RDMP <sup>1</sup>
63A	4P +slidN	6341RDMP <sup>1</sup>
20A	6P +slidN	2061RDMP <sup>1</sup>
25A	6P +slidN	2561RDMP <sup>1</sup>
40A	6P +slidN	4061RDMP <sup>1</sup>
63A	6P +slidN	6361RDMP <sup>1</sup>
25A	8P	258RDMP
63A	8P	638RDMP

<sup>1</sup>Includes early break auxiliary contact.  
2P+slidN = 2 pole and solid neutral



PC2G403

**Local disconnectors standard duty, type PC2, 20 – 63A IP54**

Nominal unit rating Ie	Poles	Eaton list number
20A	2P	PC28G202
25A	2P	PC28G252
40A	2P	PC28G402
63A	2P	PC28G632
20A	3P	PC28G203
25A	3P	PC28G253
40A	3P	PC28G403
63A	3P	PC28G633
20A	4P	PC28G204
25A	4P	PC28G254
40A	4P	PC28G404
63A	4P	PC28G634
20A	6P	PC28G206
25A	6P	PC28G256
40A	6P	PC28G406
63A	6P	PC28G636

**Heating and lighting control**



248ALCFP

**Heating and lighting contactors**

Description	Cable capacity mm <sup>2</sup>	Coil voltage 50 Hz	Heating and general mixed loads, slightly inductive, amps per pole AC1	Lighting load, amps per pole AC5a	Eaton list number
4P enclosed without rectifier	4	220–240	25	12	228ALCFP
4P enclosed with rectifier	4	380–415	25	12	248ALCFP
4P enclosed without rectifier	10	220–240	40	32	428ALCFP
4P enclosed without rectifier	10	380–415	40	32	448ALCFP
4P enclosed with rectifier	4	220–240	25	12	228ALCFPR
4P enclosed with rectifier	10	220–240	40	32	428ALCFPR
2P enclosed without rectifier	16	220–240	40	25	228ALCDP
2P enclosed without rectifier	25	220–240	64	40	428ALCDP
2P enclosed with rectifier	16	220–240	40	25	228ALCDPR
2P enclosed with rectifier	25	220–240	64	40	428ALCDPR
1P enclosed without rectifier	50	220–240	70	50	228ALCSPN
1P enclosed without rectifier	50	220–240	112	50	428ALCSPN
1P enclosed with rectifier	50	220–240	70	50	228ALCSPNR
1P enclosed with rectifier	50	220–240	112	50	428ALCSPNR

**Replacement contactors – Autoline**

- Open contactor, 4 pole

Maximum Current rating (AC1) (A)	Control coil voltage 50Hz Vac	Poles	Eaton list number
25	220-240	4P	2812004VCOA
25	380-415	4P	4812004VCOA
40	220-240	4P	2825004VCOA
40	380-415	4P	4825004VCOA
40	220-240	2P	2812004VCOA
40	380-415	2P	4812004VCOA
64	220-240	2P	2825004VCOA
64	380-415	2P	4825004VCOA
70	220-240	1P	2812004VCOA
70	380-415	1P	4812004VCOA
112	220-240	1P	2825004VCOA
112	380-415	1P	4825004VCOA



2812004VCOA



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