

Fact sheet | iC7-Automation Enclosed Drives

Need more intelligence, with streamlined integration?

iC7-Automation Enclosed Drives deliver high torque performance in an ultra compact format. iC7-Automation Enclosed Drives open up new application opportunities with flexible system integration in a wide range of industries. Optimized for compact footprint, ease of use and fast serviceability, you can apply these drives to enhance motor control.

Versatile

iC7 Enclosed Drives are available in standard cabinet sizes, configured in the right variant to suit your application:

- 6-pulse, low-harmonic, and regenerative variants
- Wide range of options

Feature	Benefit
Robust by design, high uptime and quality	 Reliable in heavy-duty service
Segregated main cooling channel, (IP21 or IP54) and dedicated PCB area	– Extremely reliable in heavy-duty service
Wide range of pre-designed options	- Flexible to meet any application need
Heat management using heat pipe techno- logy and segregated main cooling channel	– High power density, reduced footprint
Integrated options such as functional extensions, output filters, fuses and disconnects mean no extra external devices are required	– Save cost and time in installation
Installer-friendly design includes pluggable control terminals, easy-access power terminals, and easily replaceable fans	– Save cost and time in installation and service
Modular and scalable solutions for high powers Simplified spare unit handling	– Fast integration and serviceability
Pull-out of power unit without removing motor or mains cables, included with integration unit	– Fast and easy serviceability
Safe door-in-door access to the control compartment	– Safe and fast serviceability



ENGINEERING TOMORROW

HIGHLIGHTS

- Ultra compact
- Modular and configurable drive
- STO and SS1-t SIL3 as standard
- Functional safety by fieldbus: PROFIsafe
- Scalable control platform
- Powerful hardware-based security including end-toend encrypted data transfer
- Connectivity with multiple fieldbuses. Áctivate new fieldbus by license key • Industrial IoT-ready with
- secure OPC UA
- High-torque machine performance
- Superior motor control





Key specifications

Input	
Voltage rating	380-500 V AC, +10%/-15%
Supply frequency	50/60 Hz
Switching on input ^{1]}	6-pulse: 1-2 times per minute Low-harmonic and regenerative: Switch on twice at 60 s interval, followed by 10 minutes cooling-down period
Grid type	TN, TT, IT, Delta
Output	
Output frequency	0-599 Hz
Switching on output	Unlimited
Overload capacity	110/150% – 1 min every 5 min
Environmental conditions	
Rated temperature	-15 to 40 °C (5 to 104 °F)
Maximum temperature with derating	50℃ (122°F)
Rated altitude	1000 m (3300 feet) or up to 4,000 m (13,124 ft) with derating
Relative humidity	5-95% non condensing
Functional Safety I/O	
STO and SS1-t	Dual-channel, with galvanic isolation
STO and SS1-t feedback	Single channel, with galvanic isolation

External supply	
Rating	24 V/2 A
Basic I/O	
Digital inputs	6, single-ended
Relay outputs	3 • 2 x NO, NC • 1 x NO • 250 V AC 3 A max. (50/60 Hz) • 24 V DC 2
Analog inputs	2 • -20/0 to +20 mA or -10/0 to +10 V
Analog output	1 • 0-20 mA or 0-10 V resistive load
Thermistor input	1, isolated
Compliance	
Compliance	IEC 61800-5-1

^{1]} Refer to Design Guide for more information.

Key specifications for 6-pulse, low-harmonic or regenerative enclosed drives

Environmental	6-pulse	Low-harmonic & regenerative	
Voltage rating	3 x 380-500 V AC, -15%/+10%		
Current range	206-588 A	385-1710 A	
Overload capacity	110/150% for 1 minute every 5 minutes 1]		
Protection rating	IP21/UL Type 1, IP54		

¹⁾ 1 minute every 10 minutes, for frames FE9 and FE10 1 minute every 5 minutes, for all other frames

Control options

Functional extensions	Description
General Purpose I/O OC7C0	General purpose I/O extension board (3xDI, 2xDO, 2xAI, 1xAO)
Relay Option OC7R0	Relay I/O extension board, with 3 relays
Encoder/Resolver Option OC7M0	Encoder/Resolver extension board (TTL, HTL, SinCos, SSI, HIPERFACE, EnDat, BiSS, resolver)
Temperature Measurement OC7T0	Temperature measurement extension board with 5 channels
I/O and Relay Option OC7C1	I/O extension



Dimensions

		6-pulse enclosed drives		Low-harmonic & regenerative enclosed drives			
Frame		FE09	FE10	AE10 + IE10	AE11 + IE11	2 x AE10 + 2 x IE10	2 x AE11 + 2 x IE11
[mm]	Width	400	600	800	1200	2200	2400
	Height	2300 1]	2300 1]	2300 1] 2]	2300 1] 2]	2300 1] 2]	2300 1] 2]
	Depth	600	600	600	600	600	600
[in]	Width	15.7	23.6	31.5	47.2	86.6	94.5
	Height	90.6 ^{1]}	90.6 1]	90.6 1] 2]	90.6 1] 2]	90.6 1] 2]	90.6 1] 2]
	Depth	23.6	23.6	23.6	23.6	23.6	23.6

¹¹ With 200 mm/7.8 in plinth and lifting rails, without lifting rails -101 mm/4.0 in ²¹ If IP21 cabinet total height is 2400 mm/94.5 in







Cabinet options

4GAC0 Mains control on switch 4GAC8 Aricult breaker fixed 6Forum fixed fixed fixed Mains switch 4GCR5 Aricult breaker fixed 4GCR6 Aricult breaker fixed 4GCR6 Grounding device 4GCR6 Grounding witch Motor heater control 44000 4H0X None 4H0X None 4GCR6 Motor fan control 4H0X None 4H0X None </th <th>Mains input device</th> <th>+GAXX</th> <th>None</th>	Mains input device	+GAXX	None
HGACB Air circuit breaker fixed Grounding device provision +GCXP None Motor heater control +AXX None AdVit heater +AXX None Cabinet heater +BXX None Cabinet heater +BXX None Advit i Yes None Motor fan control +BCX None Motor fan control +BCX None Motor fan cutr/supply 25-4 Å HCSC Motor fan cutr/supply 25-4 Å Motor fan cutr/supply 4-63 A +GCFA Motor fan cutr/supply 4-63 A HCF1 Motor fan cutr/supply 4-63 A +GCFA Motor fan cutr/supply 0-16 A None +GCFA Motor fan cutr/supply 0-16 A None +GCFA Sortic power supply +HX None +GCFA Motor fan cutr/supply 4-63 A +GCFA None Sortic socket +GCFA None +GCFA Motor fan cutr/supply 4-63 A +GCFA None +GCFA Sortic socket +GCFA None +GCFA </th <th></th> <th></th> <th></th>			
Grounding device provision 4GCKP Provision for grounding device 4GCFP Provision for grounding device Motor heater control 4AXV None Admiter Yes None Gabnet heater 4BXX None Motor fan control 4BCV None Motor fan control 4BCV None Motor fan control 4BCX None Motor fan control 4BCX None Motor fan control Motor fan crtt/supply 26-1A None Motor fan crt/supply 26-1A Motor fan crt/supply 26-1A None Motor fan crt/supply 26-1A Motor fan crt/supply 26-3A None Motor fan crt/supply 26-3A Motor fan crt/supply 26-3A None Motor fan crt/supply 46-3A Motor fan crt/supply 26-3A None Motor fan crt/supply 56-3E Motor fan crt/supply 36-3E None Gornol power supply 4IDSC Motor fan crt/supply 36-3E None Motor fan crt/supply 56-3E None None None Gornol power supply 4IDSC None Non			
HCCEP Provision for grounding device HCCES Grounding switch Motor heater control HAXX None Cabinet heater HBXX None Motor fan control HCCH Yes Motor fan control HCCX None HCCH Motor fan crth/supply 25.4 A HCFI Motor fan crth/supply 25.4 A HCFI Motor fan crth/supply 45.3 A HCFI Motor fan crth/supply 45.3 A HCFI HCF2 Motor fan crth/supply 45.3 A HCFI Motor fan crth/supply 10-16 A Motor fan crth/supply 10-16 A Motor fan crth/supply 10-16 A None Sortrol power supply HFXX None HCF2 Z4 VDC Motor fan crth/supply 10-16 A Sortrol power supply HFXX None HCF3 Xotor fank control HCF4 Motor fank control HCF3 Xotor fank control HCF4 None HCF5 Z4 VDC Sortrol power supply HFXX None HCF3 AC volta		+GACB	Air circuit breaker fixed
46CESGrounding witchMotor heater control41XXNone41XV1YesCabinet heater418XXNone418C4YesMotor fan control41CF1Motor fan control41CF1Motor fan control41CF141CF2Motor fan ctrl/supply 25-4 A41CF3Motor fan ctrl/supply 25-4 A41CF2Motor fan ctrl/supply 25-4 A41CF2Motor fan ctrl/supply 25-4 A41CF2Motor fan ctrl/supply 25-4 A41CF2Motor fan ctrl/supply 25-4 A41CF3Motor fan ctrl/supply 25-4 A41CF4Motor fan ctrl/supply 25-4 A41CF2Motor fan ctrl/supply 25-10 A41CF2None41CF2242VC50001150 XC socket, US41CF2230 VAC socket, US41CF2230 VAC socket, US41CF2None41CF3AC supply terminals50001150	Grounding device provision	+GCXX	None
Motor heater control HAXX None Cabinet heater HBXX None HBCH Yes Motor fan control HICKX None HICFL Motor fan control HICFL HCF2 Motor fan control HICFL HCF2 Motor fan ctrl/supply 25-4 A HICFL HCF2 Motor fan ctrl/supply 46.3 A HICFL HCF2 Motor fan ctrl/supply 46.3 A HICFL Motor fan ctrl/supply 46.3 A HICFL Motor fan ctrl/supply 6.3 HO HICFL Motor fan ctrl/supply 6.3 HO A Motor fan ctrl/supply 46.3 A HICFL Motor fan ctrl/supply 6.3 HO Motor fan ctrl/supply 6.3 HO A HICFL Motor fan ctrl/supply 6.3 HO HICFL Motor fan ctrl/supply 6.3 HO <tr< th=""><th></th><th>+GCEP</th><th>Provision for grounding device</th></tr<>		+GCEP	Provision for grounding device
AdMHYesCabinet heater418XNone418CHYesMotor fan control41CKNone41CFMotor fan control41CF41CF1Motor fan cut/supply 25-4 A41CF2Motor fan cut/supply 25-4 A41CF2Motor fan cut/supply 25-14 A41CF2Motor fan cut/supply 25-14 A41CF2Motor fan cut/supply 26-310 A41CF2Aver 2000 A41CF2Motor fan cut/supply 26-310 A41CF2Motor fan cut/supply 26-310 A41CF224/DC41CF223/DAC socket LUE 7/341CF223/DAC socket LUE 7/341CF223/DAC socket LUE 7/341CF2Mone41CF2Mone41CF2Mone41CF2Mone41CF2Mone41CF2Storm-entry41CF2Mone41CF2Storm-entry41CF2Mone41CF2Storm-entry41CF2 <th></th> <th>+GCES</th> <th>Grounding switch</th>		+GCES	Grounding switch
Cabinet heater HBXX None HBCH Yes Motor fan control +KCK Motor fan control +KCF1 Motor fan cutt/supply 25:4 A +KCF2 Motor fan cutt/supply 46:3 A +KCF3 Motor fan cutt/supply 46:3 IO A +KCF4 Motor fan cutt/supply 6:3 IO A +KCF3 Motor fan cutt/supply 6:3 IO A +KCF4 Motor fan cutt/supply 10-16 A Motor back control +IDBX +UDBX None	Motor heater control	+IAXX	None
HBCHYesMotor fan control4/CKNone4/CKMotor fan control4/CK4/CFMotor fan control4/CF4/CF2Motor fan ctrl/supply 2.5.4 A4/CF2Motor fan ctrl/supply 2.5.4 A4/CF2Motor fan ctrl/supply 2.5.4 A4/CF2Motor fan ctrl/supply 6.3.10 A4/CF2Motor fan ctrl/supply 6.3.10 A4/CF4Motor fan ctrl/supply 6.3.10 A4/CF4Motor fan ctrl/supply 10.16 AMotor brake control4/CK44/DKNone4/DKNone4/DKNone4/DKNone4/DKNone4/DKSolve CseCkt US4/DKNone <trr>4/DKNone<th></th><th>+IAMH</th><th>Yes</th></trr>		+IAMH	Yes
Motor fan control HCXX None HCFC Motor fan control HCFC Motor fan ctrl/supply 2.5-4 A HCF2 Motor fan ctrl/supply 2.5-4 A HCF2 Motor fan ctrl/supply 4-6.3 A HCF2 Motor fan ctrl/supply 6.3-10 A Motor brake control HDXX None HDXX None Nore Control power supply HDX None HDX None None Service socket HGX None HGS1 115 XAC socket, US HGX Auxillary voltage supply HEX None HGS2 230 VAC socket, US HGX Auxillary voltage supply HEX None HGS2 230 VAC socket, US HGX Auxillary voltage supply HEX None HEX Ac supply terminals HGX HIX None HIX Ac Supply terminals HGX None HIX None HIX HIX None HIX	Cabinet heater		None
HCFC Motor fan control HCF1 Motor fan ctr/supply 25-4 A HCF2 Motor fan ctr/supply 46.3 A HCF2 Motor fan ctr/supply 53-10 A HCF3 Motor fan ctr/supply 0-16 A Motor brake control HDX None HDDX None Control power supply HDX None Motor brake control HDX None Service socket HFX None HCS1 24 VDC Service socket HGX HCS2 24 VDC Service socket HGX HCS2 230 VAC socket US Service socket HGX HCS1 115 VAC socket, US Service socket HIX Auxillary voltage supply HIXA None Service socket HIXA None Service socket HIXA None Service socket HIXA None Service socket Service soc			
+CF1Motor fan ctrl/supply 2.5-4 A+ICF2Motor fan ctrl/supply 4-63 A+ICF3Motor fan ctrl/supply 6.3-10 A+ICF4Motor fan ctrl/supply 0.3-10 AMotor brake control+IDCMotor brake controlHDX+IDCMotor brake controlControl power supply+IFX+IFXNone+IFXNone+IFXSone+IFXSone+IFXNone+IFXSone+IFXSone+IFXSone+IFXSone+IFXSone+IFXSone+IFXSone+IFXSone+IFXSone+IFXSone+IFXSone+IFXSone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXNone+IFXSTO/SSI push button on doorHIFXSTO/SSI push button on doorAbitorHIFXHIFXStom-entry+KCITop-entry+KCIStom-entry+KCIStom-entry+KCIStom-entry+KCIStom-entry+KCIBank plate without holes (UL)Output filter+MXX+MAXNone <t< th=""><th>Motor fan control</th><th></th><th></th></t<>	Motor fan control		
+CF2Motor fan ctrl/supply 4.6.3 Å+ICF3Motor fan ctrl/supply 6.3-10 Å+ICF4Motor fan ctrl/supply 6.3-10 ÅMotor brake control+IDX+IDXNone+IDXMotor brake controlControl power supply+IFX+IFS24 VDCService socket+IGS+IGS230 VAC socket CEE 7/3+IGS230 VAC socket UK+IGS230 VAC socket UKAuxillary voltage supply+IHX+IHXNone+IHASAC supply terminalsDoor signal lights+IIX+IICSSTO/S51 push button on door+IICSSTO/S51 push button on doorMains cabling direction+KCIB+KCIBBottom-entry+KCIBBottom-entry+KCICTop-entry+KCICGor-entry+KCICGor-entry+KCICBank plate without holes (UL)Output filter+MAXX+MAXINone+KCICBank plate without holes (UL)•MAXIOne+KCIHIAX•MAXINone+KCIHIA•MAXINone+KCIIHIA•MAXINone+KCIIHIA•MAXINone+KCIIHIA•MAXIHIA•MAXIHIA•MAXIHIA•MAXIHIA•MAXIHIA•MAXIHIA•MAXIHIA•MAXIHIA•MAXIHIA<			
+ICF3Motor fan ctrl/supply 6.3-10 AHCF4Motor fan ctrl/supply 10-16 AMotor brake control+IDXXNoneControl power supply+IFXMotor brake controlControl power supply+IFXNone4HFXNoneService socket+IFXNone+IFS24 VDCFileS230 VAC socket CEE 7/3+IFS230 VAC socket CEE 7/3+IFSAc voltage transformer+IFSAC voltage transformer+IHAAC voltage transformer+IHAAC Supply terminalsDoor signal lights+IIX+INXNone+INXNone+INXNone+INXSocket VIS hush button on doorMains cabling direction+KCIF+KCIFTop-entry+KDRSocket VIS hush button on doorCable entry plate+KFX+KFXNone			
HCF4Motor fan ctrl/supply 10-16 AMotor brake controlHDXXNoneControl power supplyHDXXNoneControl power supplyHFXXNoneControl power supplyHFXXNoneService socketHGXXNoneKICS230 VAC socket CEE 7/3HGS1115 VAC socket, USHGS2230 VAC socket CEE 7/3HGS1HISXNoneAuxillary voltage supplyHHXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneHIRXNoneMains cabling directionHIRXNoneKCIRBottom-entryHIRXNoneCable entry plateHKCIRBottom-entryKCIRTop-entryKCIRTop-entryKCIRTop-entryCable entry plateHKXXNoneMAX2NoneMax3NoneMit standard glandsHKXIMit standard glandsHKXIMuX2Ourmon-mode FilterMAU2Gummon GilterMAU2Gummon GilterMAU2Gummon GilterMAU2Gummon Gilter			
Motor brake controlHDXXNone4DBCMotor brake controlControl power supplyHFXXNone4HFXService socketHFXS24 VDCService socketHGXXNone4HGS230 VAC socket CEE 7/34HGS230 VAC socket US4HGXNoneAuxillary voltage supplyHHXXNone4HATA Coltage transformer4HATAC supply terminals6HIXNone6HIXNone700 r signal lightsHIXXNone4HCDFU/SSSTO/SS1 push button on door701 HIXNone702 Auxing supplyHIXXNone703 Auxing SupplyHIXXNone704 Auxing SupplyHIXXNone705 Auxing SupplyHIXXNone705 Auxing SupplyHIXXNone705 Auxing SupplyHIXXNone706 Auxing SupplyHIXXNone707 Auxing SupplyHIXXNone708 Auxing SupplyHIXXNone709 Auxing SupplyHIXXNone700 Auxing SupplyHIXXStormentry700 Auxing SupplyHIXXStormentry700 Auxing SupplyHIXXStormentry700 Auxing SupplyHIXXNone700 Auxing SupplyHIXXStormentry700 Auxing SupplyHIXXStormentry700 Auxing SupplyHIXXStormentry700 Auxing SupplyHIXXStormentry700 Au			
IndexIndexMotor brake controlControl power supplyIFXNoneIFCS24 VDCService socketIFGS230 VAC socket CEE 7/3IFGS230 VAC socket CEE 7/3IFGS115 VAC socket, USIFGS115 VAC socket, USIFGS230 VAC socket, UKAuxillary voltage supplyIFHXIFHATAC voltage transformerIFHATAC voltage transformerIFHASAC supply terminalsIFHASNoneIFHASNoneIFHASNoneIFHASSTO/SS1 push button on doorIFHASSTO/SS1 push button on doorIFHASBottom-entryIFLSSTO/SS1 push button on doorIFLSSTO/SS1 push button on doorIFLSStotom-entryIFLOBottom-entryIFLOBottom-entryIFLOStotom-entryIFLOBottom-entryIFLOBottom-entryIFLOBlak plate without holes (UL)Output filterIFLACIFLOBlak plate without holes (UL)IFLOANAXIFLOANAXIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLACIFLOIFLAC	Motor braka control		
Control power supply+IFXNone+IFCS24 VDCService socket+IGXNone+IGS0230 VAC socket CEE 7/3+IGS1115 VAC socket, US+IGS2230 VAC socket, UKAuxillary voltage supply+IHXNone+IHATAC voltage transformer+IHATAC supply terminalsDoor signal lights+IICNNone+IICDRun, ready, faultEmergency stop button+ILXNone+ILSSTO/SS1 push button on doorHLSStorm-entry+KCITTop-entry+KDOTFop-entry+KDOTFop-entryAbbornet+KFXWith standard glands+KFCPBlank plate without holes (UL)Output filter+MAXX+MAX2Common-mode Filter+MAX2Odl/dt +CM Filter+MAU1dU/dt Filter			
4 HFCS24 VDCService socket+IGXXNone+IGS0230 VAC socket CEE 7/3+IGS1115 VAC socket, US+IGS1115 VAC socket, US+IGS1230 VAC socket, UKAuxillary voltage supply+IHXNone+IHATAC voltage transformer+IHATAC voltage transformer+IHATAC voltage transformer+IHATNone+IICDRun, ready, faultEmergency stop button+ILS+ILSSTO/SS1 push button on doorHIATBottom-entry+KCITTop-entry+KDOBBottom-entry+KDOTTop-entry+KDOTTop-entry+KDOTStom/andrig diads+KFXPMith standard glands+KFCPBank plate without holes (UL)Output filter+MAX2+MAQ2Common-mode Filter+MAQ2Common-mode Filter+MAQ2Muth effilter	Control nower supply		
Service socketHGXNoneHGS0230 VAC socket CEE 7/3HGS1115 VAC socket, USHGS2230 VAC socket, UKAuxillary voltage supplyHHXNoneHHATAC voltage transformerHHATAC supply terminalsDoor signal lightsHIXXNoneHICDRun, ready, faultEmergency stop buttonHLXNoneHLXNoneHICDRun, ready, faultEmergency stop buttonHKCIStor/SS1 push button on doorHGXStormentryHCDForentryHCDStormentryHCDTop-entryHCDStormentry <th>control power supply</th> <th></th> <th></th>	control power supply		
+IGS0230 VAC socket CEE 7/3+IGS1115 VAC socket, US+IGS2230 VAC socket, UKAuxillary voltage supply+IHXX+IHATAC voltage transformer+IHATAC voltage transformer+IHATAC supply terminalsDoor signal lights+IIXXHICDRun ready, faultHICDHIXXNone+IICD+IICDHICDRun ready, faultEmergency stop button+ILXHICDSTO/SS1 push button on doorHICDBottom-entry+KCITTop-entry+KCD6Bottom-entry+KD07Top-entry+KD08Bottom-entry	Service socket		
HGS1115 VAC socket, USHGS2230 VAC socket, UKAuxillary voltage supplyHHXNoneHHATAC voltage transformerHHASAC supply terminalsDoor signal lightsHIXNoneHICDRun, ready, faultEmergency stop buttonHLXNoneHLXNoneHILSSTO/SS1 push button on doorHILSSTO/SS1 push button on doorHKCIBBottom-entryHKCIBBottom-entryHKCIBBottom-entryHKDOTop-entryKCIDStormentyHKDAWith standard glandsHKCPBlank plate without holes (UL)Output filterHMAXHMAZCommon-mode FilterHMAD2dU/dt + CM Filter			
Auxillary voltage supply+IHXNone+IHATAC voltage transformer+IHATAC supply terminalsDoor signal lights+IIXNone+IICDRun ready, faultNoneEmergency stop button+ILXNoneHILXSTO/SS1 push button on door+ILXMains cabling direction+KCIBBottom-entry+KCIBFore-ntry+KCIB+KCIDTop-entryCable entry plate+KFXWith standard glands+KFXBink plate without holes (UL)Output filter+MAXANone+MAXAMone+MAXA+MAXAMone<		+IGS1	
Auxillary voltage supply+IHXNone+IHATAC voltage transformer+IHATAC supply terminalsDoor signal lights+IIXNone+IICDRun ready, faultNoneEmergency stop button+ILXNoneHILXSTO/SS1 push button on door+ILXMains cabling direction+KCIBBottom-entry+KCIBFore-ntry+KCIB+KCIDTop-entryCable entry plate+KFXWith standard glands+KFXBink plate without holes (UL)Output filter+MAXANone+MAXAMone+MAXA+MAXAMone<		+IGS2	
+IHASAC supply terminalsDoor signal lights+IIXXNone+IICDRun, ready, faultNone+ILXANone+ILXMains cabling direction+KCIBSTO/SS1 push button on door+KCIPBottom-entry+KCDRTop-entry+KDORBottom-entry+KDORNone+KPYVith standard glandsCable entry plate+KFXWith standard glands+KFCPBank plate without holes (UL)Output filter+MAXXNone+MAQ2Common-mode Filter+MAU2dU/dt + CM Filter+MAU1dU/dt Filter	Auxillary voltage supply	+IHXX	
Door signal lights+IIXNone+IICDRun, ready, faultEmergency stop button+ILX+ILXNone-ILSSTO/SS1 push button on doorMains cabling direction+KCIB+KCIBBottom-entry+KCIDTop-entry+KDBBottom-entry+KDORTop-entry-KKDTTop-entryCable entry plate+KFX+KFXWith standard glands-KFCPBlank plate without holes (UL)-MAXXNone-MAXANone-MAQ2Common-mode Filter-MAQ2dU/dt +CM Filter-MAQ1dU/dt Filter		+IHAT	AC voltage transformer
+IICDRun, ready, faultEmergency stop button+ILXXNone+ILXSSTO/SS1 push button on doorMains cabling direction+KCIBBottom-entry+KCITTop-entry+KDOBBottom-entry+KDOTTop-entryCable entry plate+KFXWith standard glands+KFCPBlank plate without holes (UL)Output filter+MAXXNone+MAC2Common-mode Filter+MAU1dU/dt Filter		+IHAS	AC supply terminals
Emergency stop button+ILXXNone+ILSSSTO/SS1 push button on doorMains cabling direction+KCIBBottom-entry+KCITTop-entry+KDOBBottom-entry+KDOTTop-entry+KDOTTop-entry-KKCPBlank plate without holes (UL)Output filter+MAXX+MAU2dU/dt + CM Filter+MAU1dU/dt Filter	Door signal lights	+IIXX	None
+ILSSSTO/SS1 push button on doorMains cabling direction+KCIBBottom-entry+KCITTop-entry+KDOBBottom-entry+KDOTTop-entryCable entry plate+KFXXWith standard glands+KFCPBlank plate without holes (UL)Output filter+MAXXNone+MAC2Common-mode Filter+MAU2dU/dt Filter+MAU1dU/dt Filter		+IICD	Run, ready, fault
Mains cabling direction +KCIB Bottom-entry +KCIT Top-entry +KDOB Bottom-entry +KDOT Top-entry •KDOT Top-entry Cable entry plate +KFXX •KFCP Blank plate without holes (UL) Output filter +MAXX •MAX2 Common-mode Filter +MAU2 dU/dt + CM Filter +MAU1 dU/dt Filter	Emergency stop button		
+KCITTop-entry+KDOBBottom-entry+KDOTTop-entryCable entry plate+KFX+KFCPBlank plate without holes (UL)Output filter+MAXX+MAC2Common-mode Filter+MAU2dU/dt + CM Filter+MAU1dU/dt Filter			
+KDOB Bottom-entry +KDOT Top-entry Cable entry plate +KFXX With standard glands +KFCP Blank plate without holes (UL) Output filter +MAXX None +MAC2 Common-mode Filter +MAU2 dU/dt + CM Filter +MAU1 dU/dt Filter	Mains cabling direction		
+KDOT Top-entry Cable entry plate +KFXX With standard glands +KFCP Blank plate without holes (UL) Output filter +MAXX None +MAC2 Common-mode Filter +MAU2 dU/dt + CM Filter +MAU1 dU/dt Filter			
Cable entry plate +KFXX With standard glands +KFCP Blank plate without holes (UL) Output filter +MAXX None +MAC2 Common-mode Filter +MAU2 dU/dt + CM Filter +MAU1 dU/dt Filter			
+KFCP Blank plate without holes (UL) Output filter +MAXX None +MAC2 Common-mode Filter +MAU2 dU/dt + CM Filter +MAU1 dU/dt Filter	Cable antru plate		
Output filter +MAXX None +MAC2 Common-mode Filter +MAU2 dU/dt + CM Filter +MAU1 dU/dt Filter	Cable entry plate		
+MAC2 Common-mode Filter +MAU2 dU/dt + CM Filter +MAU1 dU/dt Filter	Output filter		
+MAU2 dU/dt + CM Filter +MAU1 dU/dt Filter	ouput inter		
+MAU1 dU/dt Filter			
	Air-cooling options	+OAXX	Standard
+OAOF Cooling air outlet flange			
+OABC Back-channel cooling			
Maintenance options +QAXX None	Maintenance options		-
+QALS Lifting support for power unit		+QALS	Lifting support for power unit

AM480047856372en-000301 | © Copyright Danfoss Drives | 2025.04

Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogues descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogues, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to product ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S or Danfoss group companies. Danfoss and the Danfoss logo are trademarks of Danfoss A/S. All rights reserved.